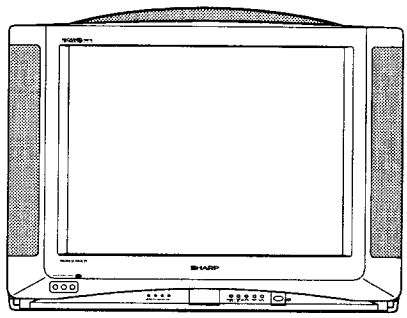
SHARP SERVICE MANUAL

SY4H125FX5///



28 SYSTEM COLOUR TELEVISION

Chassis No. SP-43M

MODELS 25FX5 29FX5

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

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WARNING

The chassis in this receiver is partially hot. Use an isolation transformer between the line cord plug and power receptacle, when servicing this chassis.
To prevent electric shock, do not remove cover. No user — serviceable parts inside. Refer servicing to qualified service personnel.

SHARP CORPORATION

ELECTRICAL SPECIFICATIONS

Power Input	AC 110~240V, 50/60 Hz (Auto)		
Power Consumption			
25FX5	185W		
29FX5	195W		
Convergence	Self Converging System		
Focus	Bi-Potential, Uni-Potential Electrostatic		
Sweep Deflection	Magnetic		
Intermediate Frequencies			
Picture IF Carrier	38.9 MHz		
Sound IF Carrier			
6.5MHz	32.4 MHz		
6.0MHz	32.9 MHz		
5.5MHz	33.4 MHz		
4.5MHz	34.4 MHz		
Colour Sub-Carrier			
PAL/NTSC	34.47 MHz		
SECAM	34.494/34.65 MHz		
NTSC	35.32 MHz		
Audio Power Output Rating	12W x 2 + 26W total 50W (RMS. 10% Dis)		
Speaker			
Size	6 x 13 cm Elliptic x 4 pcs, 4 cm Round x 2 pcs, 12 cm Wooter Box		
Voice Coil Impedance	8 Ω at 400 Hz		
Aerial Input Impedance	75 Ω Unbalanced		
Receiving Channels			
• PAL-B/G, SECAM-B/G			
VHF	E2	thru	E12
UHF	E21	thru	E69
CATV	X	thru	Z + 2,
	S1	thru	S41
• PAL-D/K, SECAM-D/K			
VHF	R1	thru	R12
	C1	thru	C12
UHF	21	thru	69,
	C21	thru	C57
• PAL-I			
VHF (IRELAND):	B	thru	J
UHF (U.K., H.K.):	21	thru	69
• NTSC-M			
VHF (US):	2	thru	13
(JAPAN):	1	thru	12
UHF (US):	14	thru	69
(JAPAN):	13	thru	62
CATV (US):	A-6	thru	A-1,
	A	thru	W + 29
(JAPAN):	C13	thru	C63
Receiving Frequency			
VHF Low	48.25 MHz	thru	161.25 MHz
VHF High	168.25 MHz	thru	431.25 MHz
UHF	439.25 MHz	thru	863.25 MHz

Specifications are subject to change without prior notice.

IMPORTANT SERVICE NOTES

Maintenance and repair of this receiver should be done by qualified service personnel only.

SERVICING OF HIGH VOLTAGE SYSTEM AND PICTURE TUBE

When servicing the high voltage system, remove static charge from it by connecting a 10k ohm Resistor in series with an insulated wire (such as a test probe) between picture tube dag and 2nd anode lead. (AC line cord should be disconnected from AC outlet.)

1. Picture tube in this receiver employs integral implosion protection.
2. Replace with tube of the same type number for continued safety.
3. Do not lift picture tube by the neck.
4. Handle the picture tube only when wearing shatterproof goggles and after discharging the high voltage completely.

X-RAY

This receiver is designed so that any X-Ray radiation is kept to an absolute minimum. Since certain malfunctions or servicing may produce potentially hazardous radiation with prolonged exposure at close range, the following precautions should be observed:

1. 25FX5: When repairing the circuit, be sure not to increase the high voltage to more than 32.0 kV (at beam 0 μA) for the set.
   29FX5: When repairing the circuit, be sure not to increase the high voltage to more than 33.0 kV (at beam 0 μA) for the set.
2. 25FX5: To keep the set in a normal operation, be sure to make it function on 29.0 kV ± 1.5 kV (at beam 1.4 mA) in the case of the set. The set has been factory — Adjusted to the above-mentioned high voltage.
   29FX5: To keep the set in a normal operation, be sure to make it function on 29.5 kV ± 1.5 kV (at beam 1.6 mA) in the case of the set. The set has been factory — Adjusted to the above-mentioned high voltage.
   ∴ If there is a possibility that the high voltage fluctuates as a result of the repairs, never forget to check for such high voltage after the work.
3. Do not substitute a picture tube with unauthorized types and/or brands which may cause excess X-ray radiation.

BEFORE RETURNING THE RECEIVER

Before returning the receiver to the user, perform the following safety checks.

1. Inspect all lead dress to make certain that leads are not pinched or that hardware is not lodged between the chassis and other metal parts in the receiver.
2. Inspect all protective devices such as non-metallic control knobs, insulating fishpapers, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacity networks, mechanical insulators etc.

ADJUSTMENT PRECAUTIONS

This model's settings are adjusted in two different ways: through the I²C bus control and in the conventional analog manner. The adjustments via the I²C bus control include preset-only items and variable data.

1) Calling the service mode by the microprocessor

① Set the switch S1001 to the service mode position, and the microprocessor is put in the service mode (adjustment through the I²C bus control).
② Press the S-MODE key on the remote controller to get ready to select the modes one by one.
③ Press the S-NORM key on the remote controller to get ready to select the modes in the order opposite to the above step (2). (See **SERVICE MODE**)
④ Using the ∧ and ∨ keys on the remote controller, the data can be modified.
⑤ Set the switch S1001 to the normal mode (OFF) position, and the microprocessor is put out of the service mode.

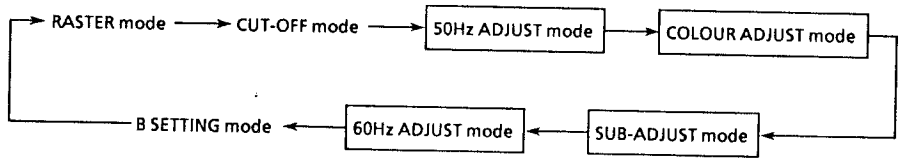
2) Factory presettings

① Set the switch S1001 to the service mode position and turn on the main power switch. Initial values are automatically preset only when a new E²PROM is used (judgment with the first 4 bytes).
② The initial data are preset as listed in **SERVICE MODE.**
③ Some settings should be modified, and the others should remain as preset. For details, see **SERVICE MODE.**

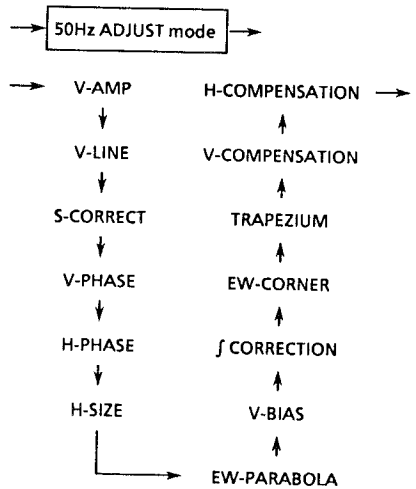
Note: Once the chassis has been put together, be sure to set the switch S1001 to the service mode position first and then turn on the main power switch (see 2- (1) above.)
Turning on the power without initializing the E²PROM may cause a flow of excess beams.

■ SERVICE MODE

(1) Press the specific keys to change the modes as follows.



In the direction of arrow: POS DOWN key / DOWN key
In the opposite direction: POS UP key / UP key



In the direction of arrow: POS DOWN key / DOWN key
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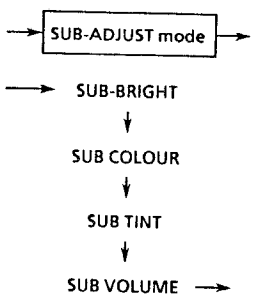

In the direction of arrow: POS DOWN key / DOWN key
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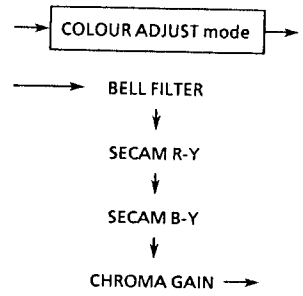

In the direction of arrow: POS DOWN key / DOWN key
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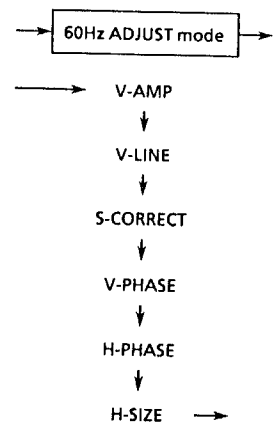


In the direction of arrow: POS DOWN key / DOWN key
In the opposite direction: POS UP key / UP key

(2) The contrast and brightness data for the blue background are fixed as follows. No setting is required in the service mode.

CONTRAST: 50H
BRIGHTNESS: 70H

(3) To go to the service mode, the data at the data at the EEPROM's addresses 00H thru 03H are read. If the data are not as given below, the EEPROM is initialized according to the table below.

Address	:	Data	Address	:	Data
00H	:	52H	02H	:	32H
01H	:	85H	03H	:	13H

EEPROM items	Data	
	25	29
(00H)	52H	52H
(01H)	85H	85H
(02H)	32H	32H
(03H)	13H	13H
R CUT OFF	384	384
G CUT OFF	384	384
B CUT OFF	384	384
G DRIVE	200	200
B DRIVE	200	200
50Hz V-AMP	55	78
50Hz V-LINEARITY	22	24
50Hz S-CORRECTION	5	15
50Hz V-PHASE	7	4
50Hz H-PHASE	12	9
50Hz H-SIZE	21	39
60Hz V-AMP	53	77
60Hz V-LINEARITY	22	23
60Hz S-CORRECTION	5	15
60Hz V-PHASE	7	5
60Hz H-PHASE	17	14
60Hz H-SIZE	20	37
EW-PARABOLA	38	42
EW-CORNER	5	11
V-BIAS	4	4
∫-CORRECTION	11	11
TRAPEZIUM	38	29
V-COMPENSATION	4	10
H-COMPENSATION	4	10
BELL FILTER	4	
SECAM R-Y	6	
SECAM B-Y	11	
CHROMA GAIN	2	
LANG / LOGO	ON / ON	
AFT	ON	
SKIP	OFF	
C SYSTEM	AUTO	
S SYSTEM	AUTO	
IGR	FORCED FM OFF	
	ST, MAIN	
NICAM	FORCED FM OFF	
	M1	

(4) When the modes are switched, the last service-mode data are stored into the EEPROM.

(5) In the service mode, the user data are preset as follows.

	User data
CONTRAST	60
COLOUR	0
BRIGHTNESS	0
TINT	0
SHARPNESS	0
S-VOL	0
TREBLE	0
BASS	0
U-BASS	0
BALANCE	0
SURROUND	OFF
OPT-AI	OFF
BLUE BACK	OFF
C SYSTEM	AUTO
S SYSTEM	AUTO

(6) The following key inputs call their corresponding modes.

Key input	Mode
TEXT / MIX	BELL FILTER
PIC	SECAM R-Y
CANCEL	SECAM B-Y
INDEX	CHROMA GAIN
SIZE	SUB BRIGHT
TIMED PAGE	SUB COLOUR
HOLD	SUB TINT
REVEAL	B SETTING

(7) The data in the adjust modes are adjustable in the following ranges.

Mode	Data adjustable range	Remarks
R CUT OFF	384~1023	
G CUT OFF	384~1023	
B CUT OFF	384~1023	
G DRIVE	0~255	
B DRIVE	0~255	
V-AMP	0~127	−2 ※1
V-LINEARITY	0~31	0 ※1
S-CORRECT	0~31	0 ※1
V-PHASE	0~7	0 ※1
H-PHASE	0~31	+5 ※1
H-SIZE	0~63	−1 ※1
EW-PARABOLA	0~63	
V-BIAS	0~7	
∫-CORRECT	0~15	
EW-CORNER	0~15	
TRAPEZIUM	0~63	
V-COMPENSATION	0~15	
H-CONPENSATION	0~15	
BELL FILTER	0~7	
SECAM R-Y	0~15	
SECAM B-Y	0~15	
CHROMA GAIN	0~7	
SUB BRIGHT	0~255	
SUB COLOUR	0~115	※2
SUB TINT	0~127	
SUB-VOLUME	43~53	
B SETTING (LANG / LOGO)	ON / ON OFF / ON ON / OFF OFF / OFF	※3

※1 Set the 60-Hz data according to the 50-Hz data settings.
※2 Write the service-mode data setting plus 12 in the EEPROM.
※3 Change to the LANGUAGE mode to select the LOGO display on/off option.

(8) MCL 1

① While in the service mode, a specific key is pressed to carry out the MCL operation.
② The Vt and BAND data of each channel are set as follows.

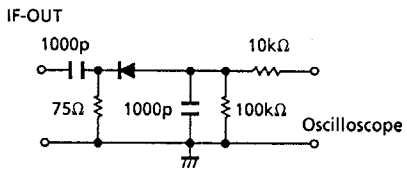
CH	Vt DATA	BAND	E²PROM (SUB-ADDRESS: DATA)	
1	00000000 000000	VHF-L	04 : 00,	05 : 00
2	00000110 000101	VHF-L	06 : 14,	07 : 06
3	00010001 110101	VHF-L	08 : D4,	09 : 11
4	00011101 100000	VHF-L	0A : 80,	0B : 1D
5	00100011 001001	VHF-H	0C : 25,	0D : 23
6	00101000 101101	VHF-H	0E : B5,	0F : 28
7	00101110 001101	VHF-H	10 : 35,	11 : 2E
8	00110001 011101	VHF-H	12 : 75,	13 : 31
9	00110101 110000	VHF-H	14 : C1,	15 : 35
10	00111011 000100	VHF-H	16 : 11,	17 : 3B
11	00111110 001110	VHF-H	18 : 39,	19 : 3E
12	01000011 011011	VHF-H	1A : 6D,	1B : 43
13	00010001 110101	UHF	1C : D6,	1D : 11
14	00010101 010010	UHF	1E : 4A,	1F : 15
15	00011011 001111	UHF	20 : 3E,	21 : 1B
16	00100011 001010	UHF	22 : 2A,	23 : 23
17	01000101 100000	UHF	24 : 82,	25 : 45
18	01001001 100110	UHF	26 : 9A,	27 : 49
19	01010010 101010	UHF	28 : AA,	29 : 52
20	01011100 011110	UHF	2A : 7A,	2B : 5C
21	01100100 001010	UHF	2C : 2A,	2D : 64
22	01111000 100000	UHF	2E : 82,	2F : 78
23	01111100 111110	UHF	30 : FA,	31 : 7C
24	10000101 110001	UHF	32 : C6,	33 : 85
25	10010110 101010	UHF	34 : BA,	35 : 96
26	10101110 101101	UHF	36 : B6,	37 : AE
27	11000101 000110	UHF	38 : 1A,	39 : C5
28	11111111 111111	UHF	3A : FE,	3B : FF
29	01101010 101111	VHF-L	3C : BC,	3D : 6A
30	00011111 110010	VHF-H	3E : C9,	3F : 1F
32	01101010 110000	VHF-H	42 : C1,	43 : 6A
33	00001100 000001	UHF	44 : 06,	45 : 0C

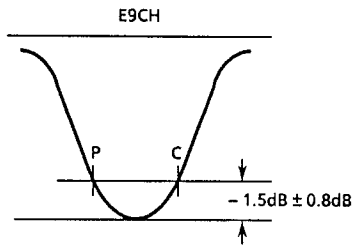
SERVICE ADJUSTMENT

■ PIF/AFT/AGC ADJUSTMENT

1. TUNER IFT COIL (Preset)

1. Set reception channel at E-9 (when such signal is not available, set V_T voltage at 10V in V_H band.)
2. Connect the sweep generator's output cable to the tuner antenna.
3. Adjust the sweep generator's output level to 80 dBμV.
4. Connect the response lead (use a low-impedance probe with wave detector) to the tuner's IF output terminal.
   (This terminal must have the probe alone connected.)
5. Set the RF AGC voltage to 0-6 V with no contact with the waveform.
6. Adjust the tuner IF coil to obtain the waveform as shown figure below.
   Note: Be sure to keep the tuner cover in position during this adjustment.





2. VCO FREE-RUN ADJUSTMENT: T2203 (on RiFU-0032CEZZ, preset)

1. Employ the zero-beat method for this adjustment.
2. Maintain 0 V at pin (6) of IC2201 (IF AGC).
3. Apply the following signal to pin (11) of IC2201 with a 0.01μF capacitor in between.
   - Frequency: 38.9 MHz (CW) ± 5 kHz
   - Level: 70 ± 5 dBμV
4. Connect the oscilloscope to pin (15) of IC2201. Adjust T2203 to ensure zero beat.

Note: Before starting this adjustment, warm up IC200 for at least 2 minutes.

3. S-DET ADJUSTMENT (on RiFU-0032CEZZ, preset)

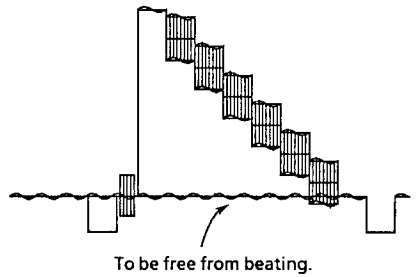
1. Feed the following signal to the IN of CF2201 (pin (9) of IC2201) with a 0.01μF capacitor in between.
   - Frequency: 6.0 MHz (CW) ± 1 kHz
   - Level: 90 ± 5 dBμV
2. Connect the oscilloscope (DC range) and the digital voltmeter to pin (19) of IC2201. Take the steps below using T2202.
   a) Maintain 0 V at pin (17) of IC2201. Take the then voltmeter reading.
   b) Allow pin (17) to have its original voltage.
   c) Adjust T2202 to obtain the voltage measured in Step a) (about 4.5 V).
   - Accuracy: ± 0.1 V

■ PIF/AFT/AGC ADJUSTMENT

4. AFT ADJUSTMENT: T2204 (on RiFU-0032CEZZ, preset)

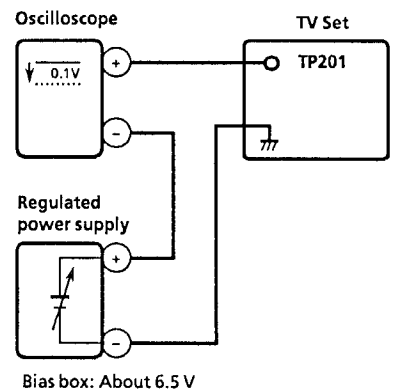
1. Receive the "PAL COLOUR BAR" signal. If this signal is not available, any signal above the V_H band is acceptable.
   - Field strength: 55—80 dBμV
2. Connect the oscilloscope to TP201.
   - Range: 0.5 V/div.
   - Sweep time: 20 μsec/div.
   - Sync: Horizontal sync
3. Make a connection between the standard signal generator output terminal and the tuner IF output terminal with a 1pF capacitor in between.
   - Frequency: 38.9 MHz (CW) ± 5 kHz
   - Level: About 90 dBμV
4. Using the preset switch, bring the VHF-H tuning mode. Adjust the fine tuning up/down switch to get zero-beat waveform.
5. Using the preset switch, bring the normal mode.
6. Adjust T2204 so that the waveform be free from beating.
   - Adjustment error: 38.900 MHz ± 25 kHz

Note: Before starting this adjustment, warm up the tuner long enough.



5. RF AGC CUT-IN ADJUSTMENT: R218

1. Receive the "PAL COLOUR BAR" signal.
   - Field strength: 60 ± 1 dBμV (75 ohms open)
2. Connect the oscilloscope to TP201, as shown below.
   Note: When a 50/75 impedance converter is not used for the 50-ohm system field strength meter, set the field strength to 58 ± 1 dBμV.
   When the converter is used, pay attention to the loss.
3. Turn R218 to have the highest voltage.
4. Turn R218 slowly in the opposite direction until the voltage goes down 0.1 V below the highest level.
5. Adjust the signal level to 63~67 dBμV and make sure there is no noise.
6. Now adjust the signal level to 90~95 dBμV and make sure there is no chrominance modulation beat.



■ PIF/AFT/AGC ADJUSTMENT

7. 110 V (25FX5) / 120 V (29FX5) ADJUSTMENT: R767 (Rough adjustment) (Fine adjustment)

1. Connect the digital voltmeter across C763.
2. Turn R767 for rough adjustment to 110 ± 1 V (25FX4) / 120 ± 1 V (29FX4).

Before making the cut-off and the horizontal and vertical circuit adjustments, adjust R767 to have 110 ± 0.2 V (25FX4) / 120 ± 0.2 V (29FX4) at the beam current of 1.3 mA.

8. SUB-POWER ADJUSTMENT

1. Receive the "MONOSCOPE PATTERN" signal.
2. Using the remote control, turn down the sound volume to zero.
3. Adjust R1719 (sub-power control) so that the signal at pin (1) of XF terminal be 17 ± 0.1 V.

Notes: Make rough adjustment just after switching on the unit. And warm up the unit for 30 minutes with a current of 1300 μA before starting the fine adjustment.

■ SOUND ADJUSTMENT

1. RF SUB-SOUND ADJUSTMENT: R2257 (on RiFU-0032CEZZ, preset)

1. Receive the "PAL COLOUR BAR" signal.
   - Signal: 400 Hz, 100% modulation
2. Connect the oscilloscope to the Audio Out (L or R) terminal. (Terminate with a 10 kΩ impedance.)
3. Adjust R2257 so that the 400 Hz sine wave be of 1.76 Vp-p.
   - Adjustment error: 1.76 + 0.04/ – 0.06 Vp-p

2. SUB-SOUND ADJUSTMENT

1. Receive the "PAL COLOUR BAR" signal.
   - Signal: 400 Hz, 100% modulation (50 kHz dev.)
2. Turn up the volume control to maximum.
3. Connect the VTVM's probes to the SI connector (pin (1): L-ch, pin (2): Ground, pin (3): R-ch).
4. Adjust the sub-sound data so that the VTVM should read 8.5 Vrms (for the left channel).
   - Adjustment error: 8.5 ± 0.1 Vrms (for left channel)

Notes:

- **Surround sound system off**
- **In the S-Normal mode**
- **S-VOL control at MAX position**

3. NOISE MUTE CHECKING

1. Receive the "PAL COLOUR BAR" signal.
2. Turn up the volume control to maximum and make sure the sound is heard from the speakers. Then put the unit in the no-signal state.
3. Be sure that the sound mute is effective.
4. Finally turn down the volume control to minimum.

4. SYNC DETECTION FREQUENCY ADJUSTMENT: R1605

1. Put the unit in the A/V mode with no signal input.
2. Connect the frequency counter to TP1601 (on the surround unit PWB). (Use a probe with small input capacitance: 10:1 or so of the oscilloscope)
3. Adjust R1605 so that the frequency counter should read 15.65 ± 0.05 kHz.

※ Warm up the unit for 20 minutes or longer before starting this adjustment.

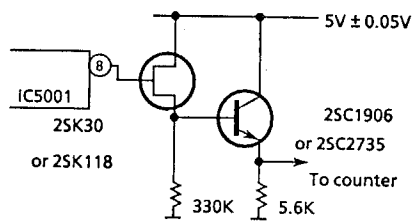
■ SIF (NICAM) ADJUSTMENT

1. CARRIER DETECTION COIL: T2001 (on RUNTK0409CEZZ)

1. Receive the "NICAM" signal.
2. Connect the oscilloscope to TP2001.
   - Range (H): 20 msec/div.
     Range (V): 20 mV/div. (with 10:1 prove used)
3. Adjust T2001 so that the video signal component of the detection output waveform be minimum.

2. VCXO ADJUSTMENT: R5007 (on RUNTK0409CEZZ, preset)

1. Connect the base of Q5002 to GND with a 0.1μF capacitor in between.
2. Connect pin (77) (VCXO input 2) of IC5001 to GND.
3. Feed the following signal to pin (80) (QPSK input) of IC5001 with a 75-ohm DC cut probe in between.
   - Frequency: 5.8 MHz ± 10 kHz
   - Level: 200 ± 50 mVp-p (with connection to pin (80))
4. Add the circuit shown below. Adjust R5006 so that the output frequency at pin (8) (VCXO output) of IC5001 be 5.850 MHz.
   - Adjustment error: 5.850 MHz ± 300 kHz



■ SIF (IGR) ADJUSTMENT

(All the settings have been factory-adjusted on the RUNTK0409CEZZ)

1. S-DET ADJUSTMENT: T2001 (5.5 MHz), T2002 (5.74 MHz)

- Video signal: Color bar 87.5% mod.
- M1, M2: 400 Hz, 30 kHz dev.
- RF output: 80 dBμ

NOTE: Set the signal generator to the bilingual mode.

1. Connect the VTVM to TP2002 and TP2003 with capacitors in between.
2. Adjust T2001 and T2002 so that the VTVM reading be maximum.

2. AUDIO LEVEL ADJUSTMENT: R2017

Keep the unit under the above conditions.

1. Set the unit to the bilingual mode (MAIN or MAIN + SUB).

NOTE: Make sure the MAIN or MAIN + SUB is displayed on the screen.

2. Terminate the AUDIO OUT (L) terminal with a 10-kohm impedance. Observing the synchroscope screen, adjust R2017 (audio level control) to get the level in the following range.
   Control range: 1.76 + 0.04 Vp-p
   – 0.06 Vp-p

3. SEPARATION ADJUSTMENT: R2016

Set the signal generator to the stereo mode. Turn off the MONO1 (L) audio signal.

- Press the S switch to make sure that the meter indicates 15 kHz dev.

1. Set the unit to the stereo mode.

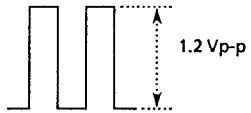
NOTE: Make sure the STEREO is displayed on the screen.

2. Terminate the AUDIO OUT (L) terminal with a 10 kohm impedance. Adjust R2016 (separation control) so that the 400 Hz waveform on the synchroscope screen be minimum.

■ TEXT ADJUSTMENT

TEXT LEVEL: R1815

1. Receive the "PAL COLOUR BAR" signal.
2. Receive the TEXT signal.
3. Connect the oscilloscope to pin (7) of connector-(TX).
   Range: 20 mV/div. (10:1 probe in use)
4. Adjust R1815 so that the TEXT signal level be 1.2 ± 0.01 Vp-p



■ PURITY ADJUSTMENT

1. Using the remote controller, introduce the green-only screen. Adjust the contrast control to have a beam current of 1.1 mA (25FX5) / 1.3 mA (29FX5).
2. Degauss the CRT enough with the degaussing coil.

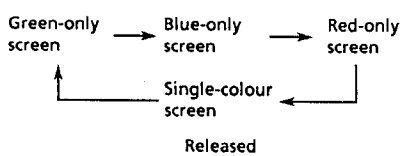
Note: Adjustment magnetic field
- Vertical (Bv): + 0.030 mT (0.30 gauss)
- Horizontal (Bh): + 0.020 mT (0.20 gauss)

※ The above specifications are modified in the Production Communications Sheet B.

3. Keep the purity magnet in the zero magnetic field in advance. Roughly adjust the convergence.
4. Observe the points "a" and "b", as shown in *Fig. A*, through a microscope. Adjust the landing to the rank "A" requirements.
5. Adjust the raster rotation to 0 eastward.
6. Tighten up the deflection coil screws.
   - Tightening torque: 108 N ± 20 N (11 ± 2 kgf)
7. While observing the CRT screen corners, apply the magnet sheet to have the landing at rank "C".

Note: Before starting this adjustment, warm up the unit for 30 minutes or longer at a beam current of over 1100 μA (25FX5) / over 1300 μA (29FX5).

Note: Using the service switch (S1001), put the unit in the service mode. Press the single-colour key on the process remote controller to allow the screen in green only.
The P-MODE and P-NOR keys on the remote controller are not operative.
The following change is made each time the single-colour key is pressed.



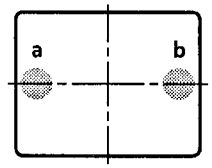
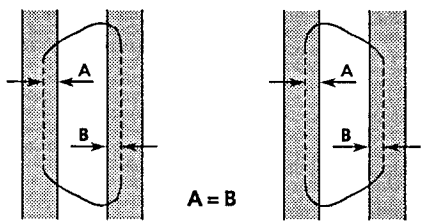


Fig. A



Rank "A" (on the right of the CRT) *Rank "A" (on the left of the CRT)*

※ When the single-colour key is held down for 1 second or longer, the single-colour screen is called whether the unit is in the service mode or not.
The single-colour screen can be directly selected by using the "R", "G" and "Cy" text keys.

■ CONVERGENCE ADJUSTMENT

(To be done after the purity adjustment)

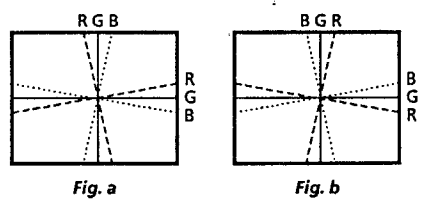


Fig. a *Fig. b*

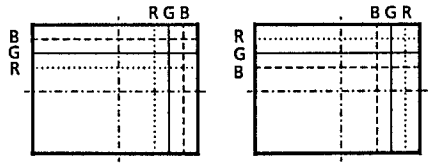
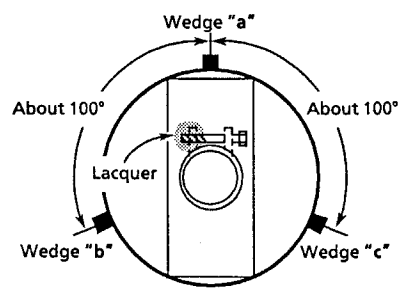
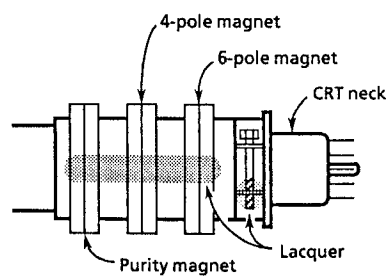


Fig. c *Fig. d*





1. Receive the "CROSSHATCH PATTERN" signal.
2. Using the remote controller, call the Normal mode.

STATIC CONVERGENCE

1. Turn the 4-pole magnet to a proper opening angle in order to superimpose the blue and red colours.
2. Turn the 6-pole magnet to a proper opening angle in order to superimpose the green colour over the blue and red ones.

DYNAMIC CONVERGENCE

1. Adjust the convergence on the fringes of the screen in the following steps.
   a) Fig. a: Drive the wedge at point "a" and swing the deflection coil upward.
   b) Fig. b: Drive the wedges at points "b" and "c" and swing the deflection coil downward.
   c) Fig. c: Drive the "c" wedge deeper and swing the deflection coil rightward.
   d) Fig. d: Drive the "d" wedge deeper and swing the deflection coil leftward.
2. Fix all the wedges on the CRT and apply glass tape over them.
3. Apply lacquer to the deflection yoke lock screw, magnet unit (purity, 4-pole and 6-pole magnets) and magnet unit lock screw.

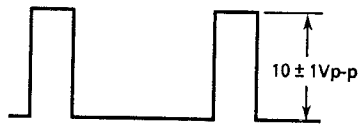
■ CRT Cut-Off, Background and Sub-Contrast Adjustments

1. CRT CUT-OFF ADJUSTMENTS

Adjusting Point

■ **Sub-brightness: R890**

1. Receive the "MONOSCOPE PATTERN" signal.
2. Turn on the service switch and select the cut-off/background mode.
3. Connect the oscilloscope to TP852 (RED cathode).
4. Set the screen control to 0/10 position.
5. Press the "9" key on the remote controller to reach the horizontal centering mode.
6. Adjust the sub-brightness control (R890) so that the blanking pulse on the oscilloscope screen be 10 ± 1 Vp-p.



7. Disconnect the oscilloscope from TP852.
8. Turn the screen control clockwise until the horizontal raster of the first glimmering colour becomes slightly visible.
9. Adjust the cut-off data of the other two colours until the horizontal raster becomes whitish.

Note: The data can be turned up and down with the above keys.

- **R CUT OFF UP "1" KEY**
- **R CUT OFF DOWN "4" KEY**
- **G CUT OFF UP "2" KEY**
- **G CUT OFF DOWN "5" KEY**
- **B CUT OFF UP "3" KEY**
- **B CUT OFF DOWN "6" KEY**

10. Turn the screen control counterclockwise until the horizontal raster disappears.

Note : Before starting this adjustment, warm up the unit for 30 minutes or longer at a beam current of over 1100 μA (25FX5) / over 1300 μA (29FX5).

11. Press the "9" key on the remote controller to call the Normal mode.
12. Using the remote controller, call the sub-brightness setting mode. (Receive the E-2CH signal.)
13. Set the sub-brightness data so that the second black portion of the window pattern looks sinking.

The service mode adjustment in the above steps (12) and (13) should be carried out after the white balance and background adjustments.

2. WHITE BALANCE and BACKGROUND I2C BUS ADJUSTMENT

1. Receive the "MONOSCOPE PATTERN" signal.
2. Using the remote controller, call the Video Normal mode.
3. Connect the beam ammeter between TP1601 and TP1602.
4. Roughly adjust R2422 (sub-contrast control) to have a beam current of about 1.4 mA (25FX4) / 1.6 mA (29FX4).
5. Adjust the G-drive and B-drive data to have a color temperature of 10900°K (white).
   - 10900°K X:0.275
     Y:0.287

   (with a Minolta colour temperature meter)

Note: The data can be turned up and down with the above keys.

- **G-DRIVE UP "7" KEY**
- **G-DRIVE DOWN "0/00" KEY**
- **B-DRIVE UP "8" KEY**
- **B-DRIVE DOWN "0" KEY**

6. Adjust the contrast and brightness controls to have a beam current of 200 μA. Now check the background colour. If the colour temperature is not 10900°K, go back to No. 1 on the preceding page.

Note: Before starting this adjustment, warm up the unit for 30 minutes or longer at a beam current of over 1100 μA (25FX5) / 1399 μA (29FX5).

■ CRT Cut-Off, Background and Sub-Contrast Adjustments

3. SUB-CONTRAST ADJUSTMENTS

Adjusting Point

■ **Sub-Contrast: R624**

1. Receive the "MONOSCOPE PATTERN" signal.
2. Using the remote controller, call the Video Normal mode.
3. Connect the beam ammeter between TP601 and TP602.
   - Ammeter's full-scale: 3 mA range
   - Ammeter's positive (+) lead: TP601
   - Ammeter's negative (−) lead: TP602
4. Adjust R624 (sub-contrast control) so that the beam current be 1.4 mA (25FX4) / 1.6 mA (29FX4).

Note: Before starting this adjustment, warm up the unit for 30 minutes or longer at a beam current of over 1100 μA (25FX5) / 1300 μA (29FX5).

■ HORIZONTAL AND VERTICAL CIRCUIT ADJUSTMENT

1. SERVICE MODE DATA ADJUSTMENT

For the items 1 thru 6 below, use the remote controller in the service mode.

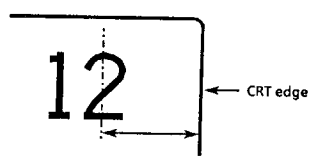
1. V-HEIGHT 50:	Adjust the overscan to 8% (E-5).
2. V-LINEARITY 50:	Adjust to get the best linearity.
3. V-S-CORRECTION 50:	Preset (readjust if the linearity is poor).
4. V-SHIFT 50 (V-CENTER):	Align the screen center with the CRT's geometrical center (E-5).
5. H-SHIFT 50 (H-CENTER):	Align the screen center with the CRT's geometrical center (E-5).
6. H-WIDTH 50 (H-SIZE):	Adjust the overscan to 8% (E-5).
7. EW-PARABOLA (SIDE-PIN):	Adjust so that the second vertical lines from the left and right ends of the crosshatch pattern be straight (E-2).
8. V-BIAS:	Preset
9. V-S-CORRECTION:	Preset
10. EW-CORNER (SUB-SIDEPIN):	Preset (readjust if the picture quality at the corners is degraded).
11. TRAPEZIUM:	Preset
12. V-COMPENSATION:	Preset
13. H-COMPENSATION:	Preset
14. Others:	For the V-HEIGHT 60, V-LINEARITY 60, V-S-CORRECTION 60, V-SHIFT 60, H-SHIFT 60 and H-WIDTH 60 adjustments, their corrected data are automatically entered when the corresponding 50-Hz mode adjustments are made.

2. FOCUS ADJUSTMENT

1. Receive the "MONOSCOPE PATTERN" signal.
2. Using the remote controller, call the Video Normal mode.
3. Adjust the focus control until the characters "SHARP" get in focus on the screen. Make sure that the characters are at the center (25FX5) / on the upper part of the screen (29FX5).

3. CHANNEL SIGN POSITION ADJUSTMENT: T1001

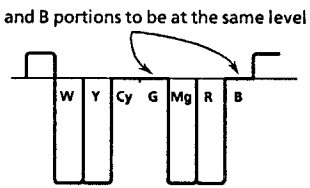
1. Turn the channel call on (on the remote controller).
2. Adjust T1001 so that the center of the first-digit figure of the channel number be about 70 mm (25FX5) / 80 mm (29FX5) from the right edge of the CRT.



■ PAL CHROMA ADJUSTMENT

SUB-COLOUR I²C BUS ADJUSTMENT

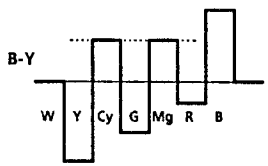
1. Receive the "PAL COLOUR BAR" signal.
2. Using the remote controller, call the Video Normal mode.
3. Connect the oscilloscope to TP852 (RED cathode). (Use a 10:1 probe.)
   - Range: 2 V/div.
   - Sweep time: 20 μsec/div.
4. Using the remote controller, call the sub-colour adjustment mode. Adjust the sub-colour data so that the yellow and red portions of the PAL colour bar be at the same level.
5. Clear the adjustment mode.



■ NTSC CHROMA ADJUSTMENT

SUB-TINT I²C BUS ADJUSTMENT

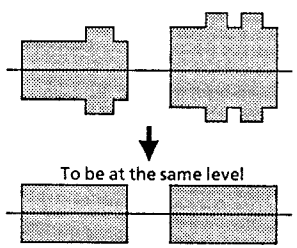
1. Call the sub-tint adjustment mode. Receive the "COLOUR BAR" signal.
2. Connect the oscilloscope to TP802 (B-Y).
   - Range: 20 mV/div. (AC)
   - Sweep time: 20 μsec/div.
   (Use a 10:1 probe.)
3. Adjust the sub-tint data to obtain the waveform.
4. Clear the adjustment mode.



■ SECAM CHROMA ADJUSTMENT

1. BELL FILTER FO I²C BUS ADJUSTMENT

1. Receive the "SECAM COLOUR BAR" signal.
2. Call the bell filter f_0 adjustment mode.
3. Ground pin (32) of IC2851 (iX2508CE) on the VCJ PWB. (Just make a connection between TP2853 and TP2854.)
4. Connect the oscilloscope to pin (28) (TP901) of IC2851.
   - Range: 10 mV/div. (AC)
   - Sweep time: 20 μsec/div.
   (Use a 10:1 probe.)
5. Adjust the bell filter data to have a waveform, the shape fo which is closest to the one.
6. Remove the connection between TP2853 and TP2854.



■ SECAM CHROMA ADJUSTMENT

2. SECAM BLACK LEVEL R-Y/B-Y I²C BUS ADJUSTMENT

1. Receive the "SECAM COLOUR BAR" signal.
2. Call the SECAM black level adjustment R-Y mode.
3. Connect the oscilloscope to pin (40) (R-Y OUT, TP801) of IC2851.
   - Range: 10 mV/div.
   - Sweep time: 20 μsec/div.
   (Use a 10:1 probe.)
4. Adjust the R-Y data so that the offset between the no-signal line and the signal line be minimum. See ***Fig. 1.***
5. Call the SECAM black level adjustment B-Y mode.
6. Reconnect the oscilloscope to pin (41) (B-Y OUT, TP802) of IC2851. Take the same conditions as in Step (3) above.
7. Adjust the B-Y data so that the offset between the no-signal line and the signal line be minimum. See ***Fig. 2.***

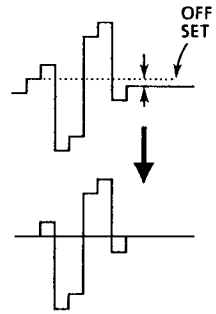


Figure 1.

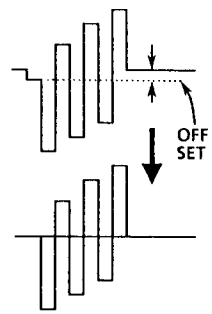


Figure 2.

■ PROTECTOR PERFORMANCE CHECK

1. BEAM PROTECTOR

1. Receive the "MONOSCOPE PATTERN" signal.
2. Set the contrast control to maximum.
3. Set the brightness control to maximum.
4. Make a short-circuit between the collector and emitter of Q853 and make sure that the protector is activated and the stand-by mode is called.

2. HIGH-VOLTAGE PROTECTOR

1. Receive the "MONOSCOPE PATTERN" signal.
2. Connect the bias box to the cathode (R628 side) of D602.
3. Adjust the bias box voltage to 16 V and make sure that the protector is not activated.
4. Boost the bias box voltage to 22 V and make sure that the protector is activated.

3. OTHER PROTECTORS

In checking the performance of other protectors -- for example, the one against shorting of smoothing electrolytic capacitor of + B line --, pay attention not to damage or deteriorate any related element.

■ FUNCTION CHECK (PICTURE AND SOUND)

1. CONTRAST KEY

1. Receive the "MONOSCOPE PATTERN" signal.
2. Select the contrast in the picture mode.
3. Using the UP/DOWN key, make sure the contrast varies accordingly.

2. COLOUR KEY

1. Receive the J-13CH signal.
2. Select the colour in the picture mode.
3. Using the UP/DOWN key, make sure the colour varies accordingly.
   (Set the key to minimum and be sure that no colour is left on the screen.)

■ FUNCTION CHECK (PICTURE AND SOUND)

3. BRIGHTNESS KEY

1. Receive the "MONOSCOPE PATTERN" signal.
2. Select the brightness in the picture mode.
3. Using the UP/DOWN key, the black level varies accordingly.

4. TINT KEY

1.
2. Select the tint in the picture mode.
3. Press the UP key to make sure the tint changes toward green, and the DOWN key toward red.

5. PICTURE TONE KEY

1. Receive the "MONOSCOPE PATTERN" signal.
2. Select the picture tone in the picture mode.
3. Using the UP/DOWN key, make sure the picture tone varies accordingly.

6. PICTURE NORMAL KEY

1. Press the NOR key in the picture mode and make sure the adjustment item being displayed on screen comes to its normal setting.
   (The normal settings are as follows.)
   - Contrast: MAX
   - Colour: CENTER
   - Brightness: CENTER
   - Tint: CENTER
   - Picture tone: CENTER

※ If no adjustment item appears on screen, a push on the NOR key sets all the contrast, colour, brightness, tint and picture tone to their normal settings.

7. CHANNEL SIGN DISPLAY COLOUR

Make certain that all the channel signs (1-49) appear in green on the screen (with AFT on).

8. TREBLE KEY

1. Receive the "COMMERICIAL BROADCAST" signal.
2. Select the treble in the sound mode.
3. Using the UP/DOWN key, make sure the treble sound varies accordingly.

9. BASS KEY

1. Receive the "COMMERICIAL BROADCAST" signal. Turn off the U-Bass function.
2. Select the bass in the sound mode.
3. Using the UP/DOWN key, make sure the bass sound varies accordingly.

10. BALANCE KEY

1. Receive the "COMMERICIAL BROADCAST" signal.
2. Select the balance in the sound mode.
3. Using the UP/DOWN key, make sure the left-and-right balance varies accordingly.

11. SOUND-NORMAL KEY (on R/C)

Press the NOR key in the sound mode and make sure the adjustment item being displayed on screen comes to its normal setting.
(The normal settings are as follows.)

- Treble: CENTER
- Bass: CENTER
- Balance: CENTER

※ If no adjustment item appears on screen, a push on the NOR key sets all the treble, bass and balance to their normal settings.

■ FUNCTION CHECK (PICTURE AND SOUND)

12. COLOUR SYSTEM

1. Receive the "PAL COLOUR BAR" signal. Using the COLOUR SYSTEM key, select any system other than PAL and make sure the colour does not appear normally.
2. Receive the "SECAM COLOUR BAR" signal. Using the COLOUR SYSTEM key, select any system other than SECAM and make sure the colour does not appear normally.
3. Receive the "NTSC 4.43 COLOUR BAR" signal. Using the COLOUR SYSTEM key, select any system other than N4.43 and make sure the colour does not appear normally.
4. Receive the "NTSC 3.58 COLOUR BAR" signal. Using the COLOUR SYSTEM key, select any system other than N3.58 and make sure the colour does not appear normally.
   Note:
   For the E-4, E-37, J-38 and E-64 special signals, keep in mind that normal colour and sound are not obtained in the AUTO mode. (Do the checking in the forced mode.)

13. SOUND SYSTEM

1. Receive the System D/K signal. Using the SOUND SYSTEM key, select M, B/G and I, and make sure the sound is not heard normally.
2. Receive the System I signal. Using the SOUND SYSTEM key, select M, B/G and D/K, and make sure the sound is not heard normally.
3. Receive the System B/G signal. Using the SOUND SYSTEM key, select M, I and D/K, and make sure the sound is not heard normally.
4. Receive the NTSC-M signal. Using the SOUND SYSTEM key, select B/G, I and D/K, and make sure the sound is not heard normally.
   Note:
   The changes for B/G (1) and D/K (3) are small.

14. SURROUND SOUND

1. Receive the music broadcast signal.
2. Using the surround mode key (remote controller), make sure the surround modes change as follows.
   - SURROUND OFF: ↓
   - MUSIC: ↓
   - MOVIE: ↓
   - WIDE: ↓
3. Set to the WIDE mode and make sure the sound from the speakers gives an affluent feeling.

■ A/V INPUT AND OUTPUT CHECK

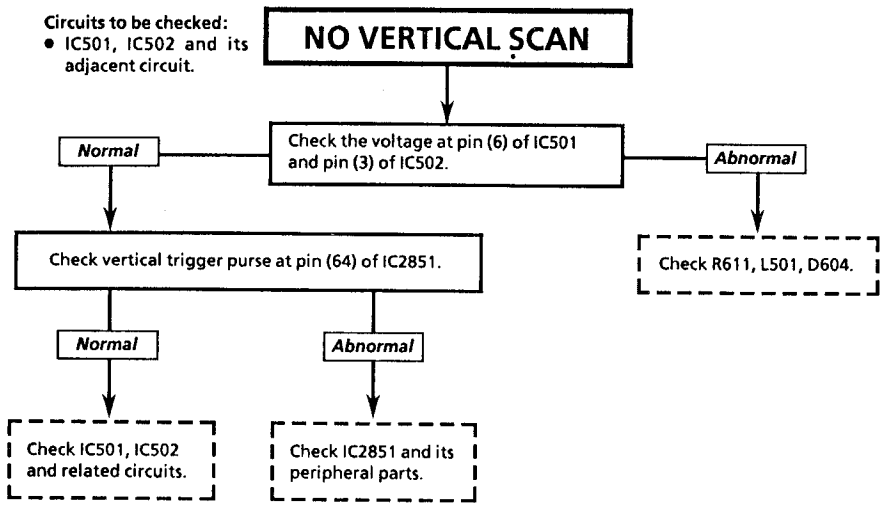
1. AUDIO/VIDEO OUTPUT CHECK

1. Receive the "COLOUR BAR" signal (100% white colour bar, sound:400 Hz, 100% mod.).
2. Terminate the video output with a 75 Ω impedance. Make sure the output is as specified (1.0 Vp-p ± 3 dB).
3. Terminate the audio output with a 10 kΩ impedance. Make sure the output is as specified (1.76 Vp-p ± 3 dB).

2. AUDIO/VIDEO INPUT CHECK, S-TERMINAL INPUT CHECK

1. Using the TV/AV key on the remote controller, make sure that the modes change in the order of TV, AV1, AV2, AV3 and TV again and that the video and audio outputs are according to the input and output terminals for each mode.
2. Insert the connector in the S-VIDEO input jack and make sure the AV1 mode is called. See also if the picture and sound are normal and if the "AV1-S" is displayed on the screen.

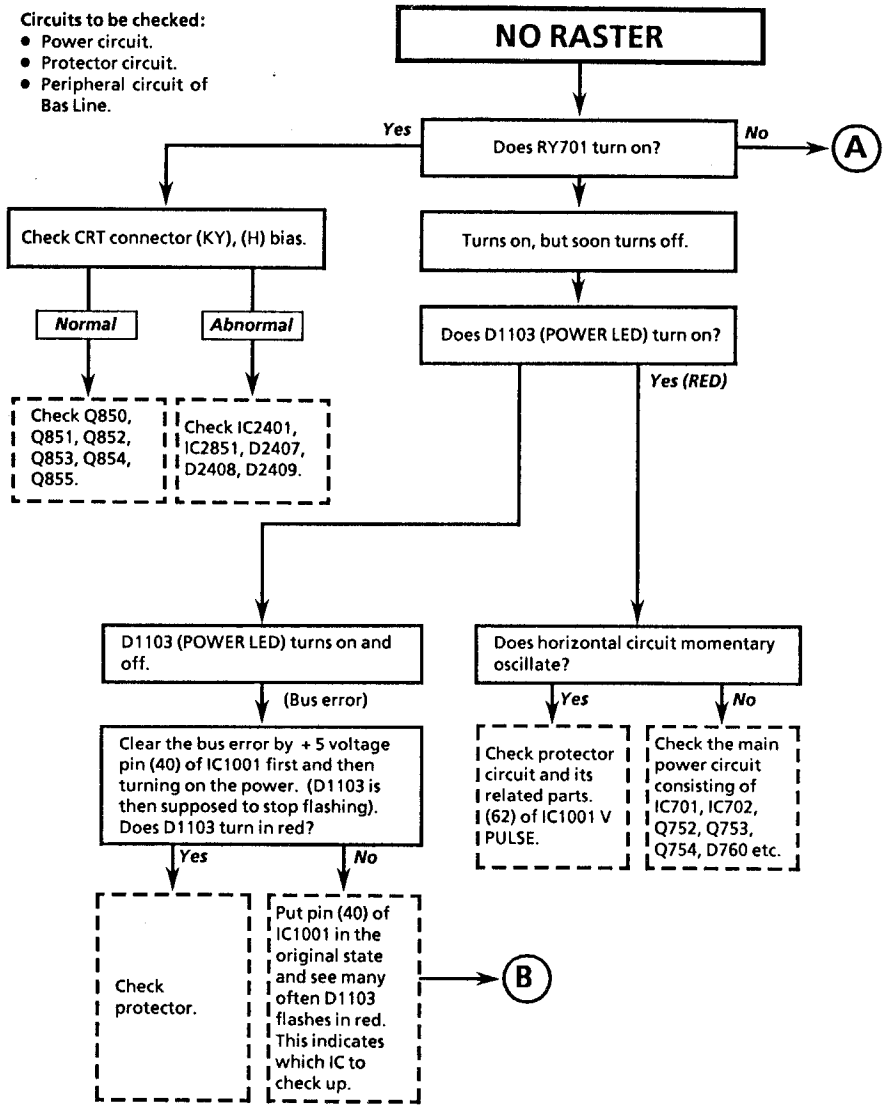
TROUBLE SHOOTING TABLE


Circuits to be checked:
• IC501, IC502 and its adjacent circuit.
NO VERTICAL SCAN
Check the voltage at pin (6) of IC501 and pin (3) of IC502.
Normal
Abnormal
Check R611, L501, D604.
Check vertical trigger purse at pin (64) of IC2851.
Normal
Abnormal
Check IC501, IC502 and related circuits.
Check IC2851 and its peripheral parts.

Note1: Make sure that the switch S1001 is at the position for the service mode, not for the horizontal centering mode. (At the center or farthest position, the switch is for the normal mode.) The "9" key on the remote controller is used to turn on and off these modes.

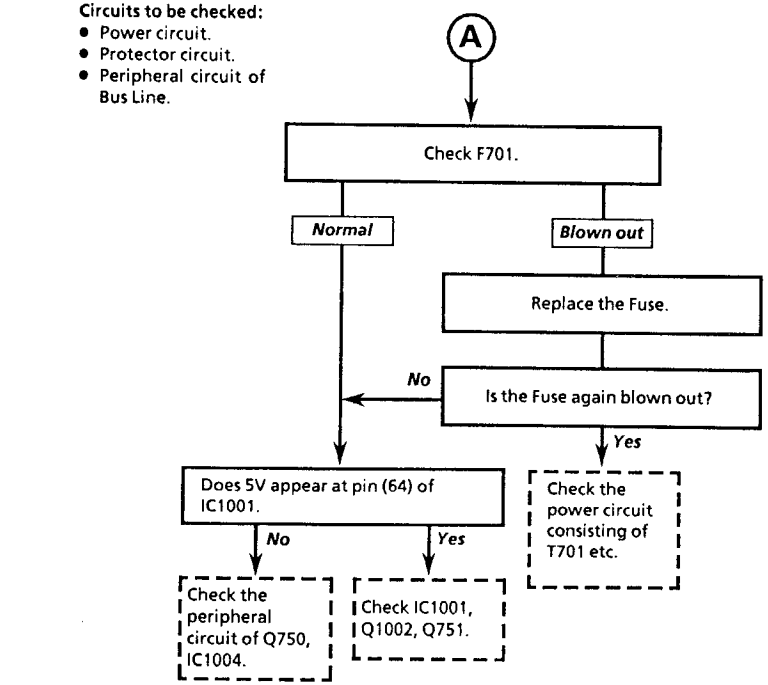
Note2: The vertical sync signal must be fed to pin (2) of IC1001 in order not to activate the vertical no-scan protector.
Take this measure with the protector circuit for the troubleshooting on the following pages.

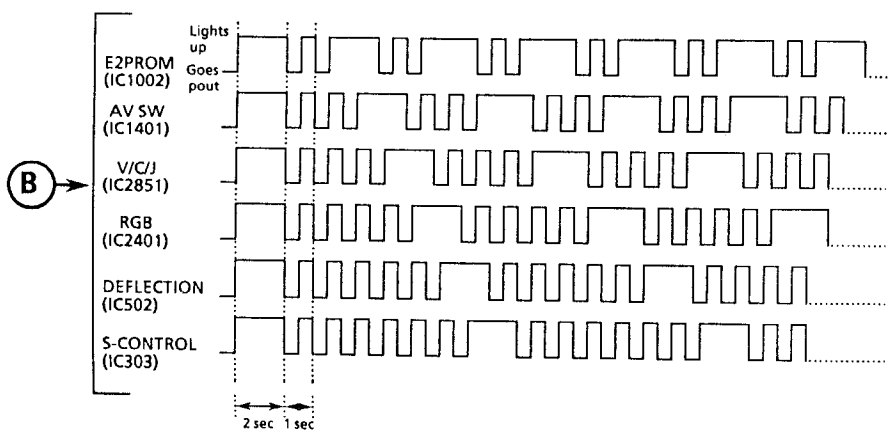
TROUBLE SHOOTING TABLE (Continued)


Circuits to be checked:
• Power circuit.
• Protector circuit.
• Peripheral circuit of Bas Line.
NO RASTER
Does RY701 turn on?
Yes
No
A
Check CRT connector (KY), (H) bias.
Turns on, but soon turns off.
Normal
Abnormal
Does D1103 (POWER LED) turn on?
Yes (RED)
Check Q850, Q851, Q852, Q853, Q854, Q855.
Check IC2401, IC2851, D2407, D2408, D2409.
D1103 (POWER LED) turns on and off.
Does horizontal circuit momentary oscillate?
(Bus error)
Yes
No
Clear the bus error by + 5 voltage pin (40) of IC1001 first and then turning on the power. (D1103 is then supposed to stop flashing). Does D1103 turn in red?
Check protector circuit and its related parts. (62) of IC1001 V PULSE.
Check the main power circuit consisting of IC701, IC702, Q752, Q753, Q754, D760 etc.
Yes
No
Check protector.
Put pin (40) of IC1001 in the original state and see many often D1103 flashes in red. This indicates which IC to check up.
B

TROUBLE SHOOTING TABLE (Continued)

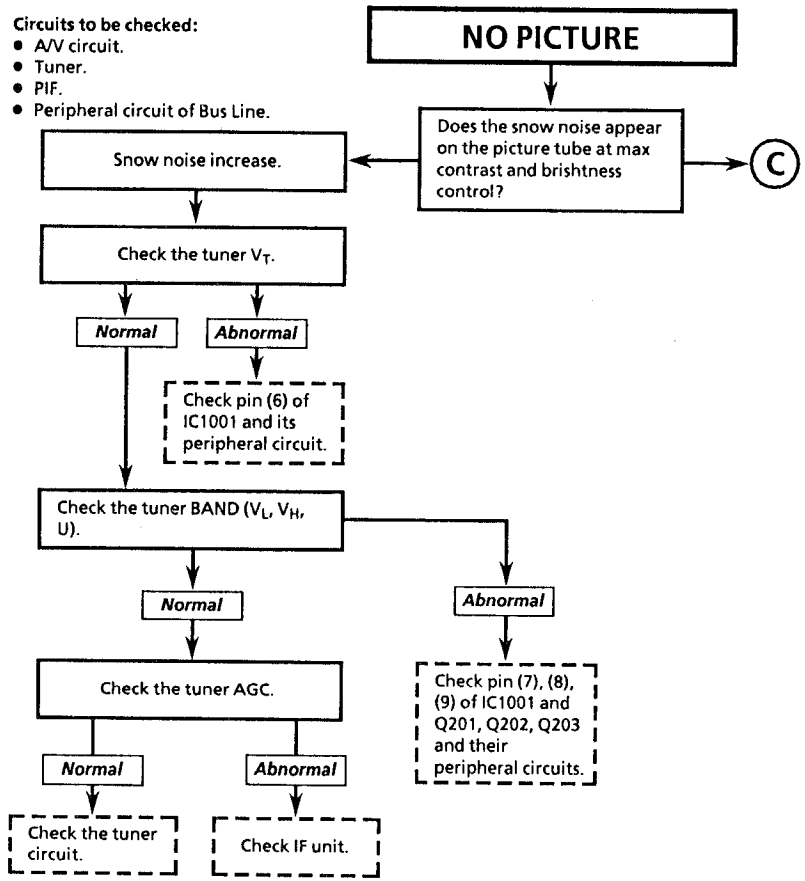
Circuits to be checked:
- Power circuit.
- Protector circuit.
- Peripheral circuit of Bus Line.





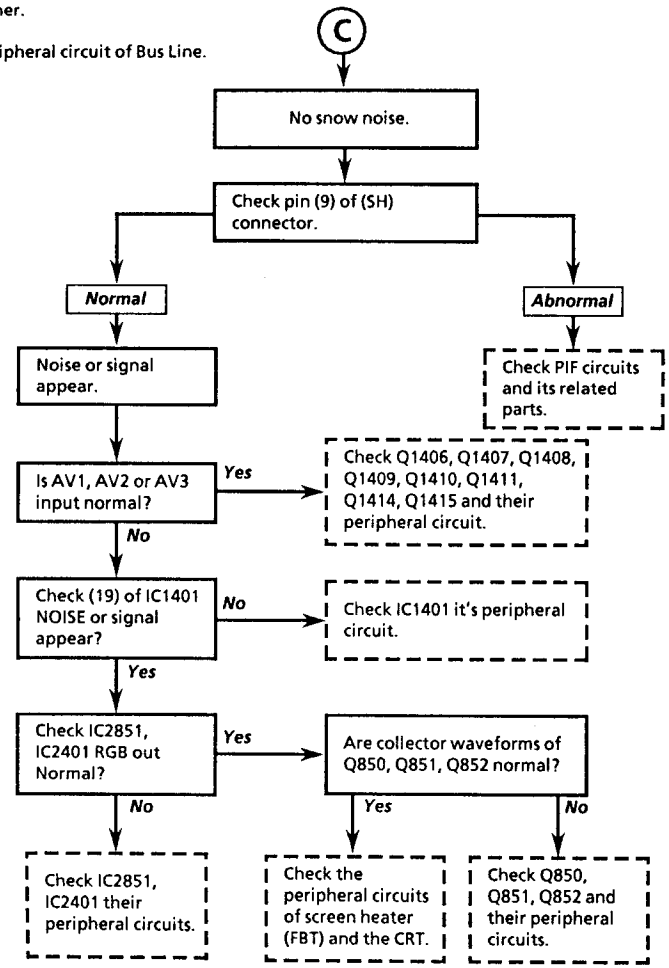
TROUBLE SHOOTING TABLE (Continued)

Circuits to be checked:
- A/V circuit.
- Tuner.
- PIF.
- Peripheral circuit of Bus Line.


NO PICTURE
Does the snow noise appear on the picture tube at max contrast and brishtness control?
C
Snow noise increase.
Check the tuner V_T.
Normal
Abnormal
Check pin (6) of IC1001 and its peripheral circuit.
Check the tuner BAND (V_L, V_H, U).
Normal
Abnormal
Check pin (7), (8), (9) of IC1001 and Q201, Q202, Q203 and their peripheral circuits.
Check the tuner AGC.
Normal
Abnormal
Check the tuner circuit.
Check IF unit.

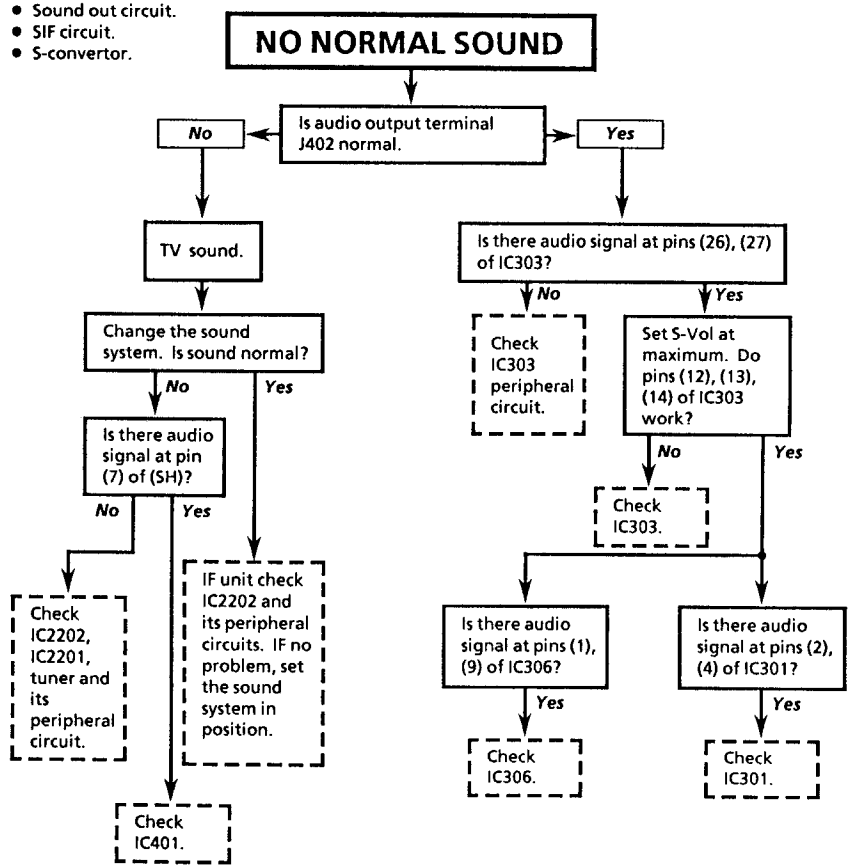
TROUBLE SHOOTING TABLE (Continued)

Circuits to be checked:
- A/V circuit.
- Tuner.
- PIF.
- Peripheral circuit of Bus Line.

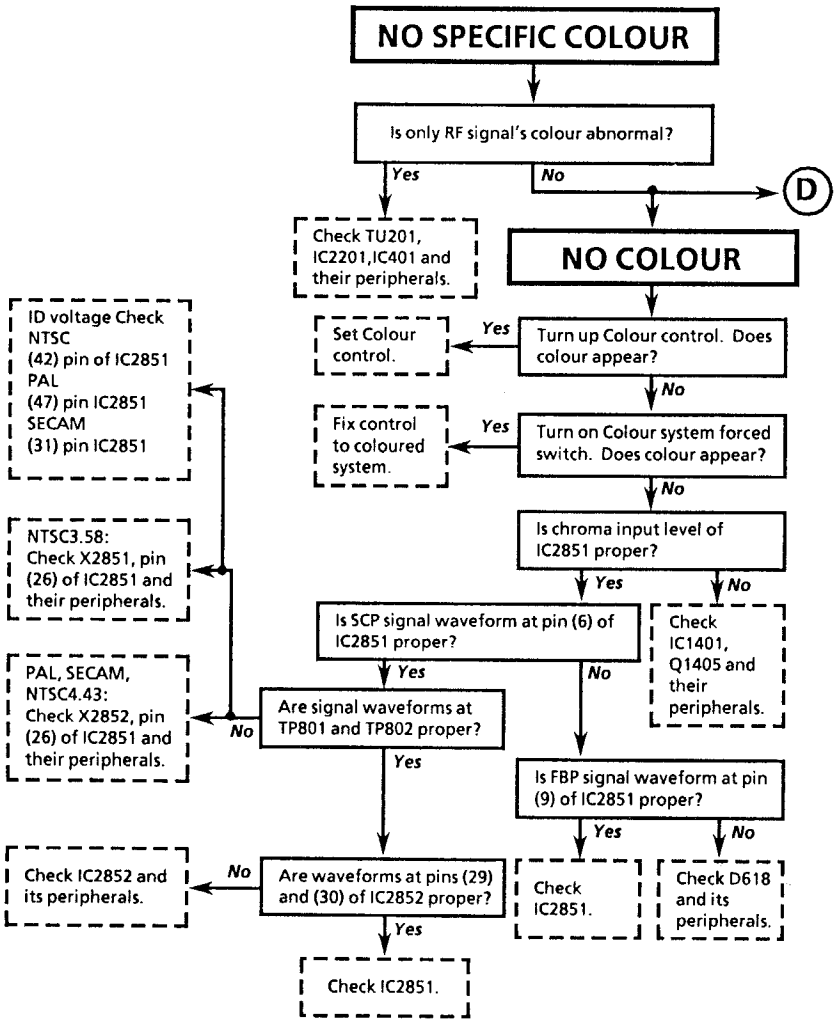

C
No snow noise.
Check pin (9) of (SH) connector.
Normal
Abnormal
Noise or signal appear.
Check PIF circuits and its related parts.
Is AV1, AV2 or AV3 input normal?
Yes
Check Q1406, Q1407, Q1408, Q1409, Q1410, Q1411, Q1414, Q1415 and their peripheral circuit.
No
Check (19) of IC1401 NOISE or signal appear?
No
Check IC1401 it's peripheral circuit.
Yes
Check IC2851, IC2401 RGB out Normal?
Yes
Are collector waveforms of Q850, Q851, Q852 normal?
No
Yes
No
Check IC2851, IC2401 their peripheral circuits.
Check the peripheral circuits of screen heater (FBT) and the CRT.
Check Q850, Q851, Q852 and their peripheral circuits.

TROUBLE SHOOTING TABLE (Continued)

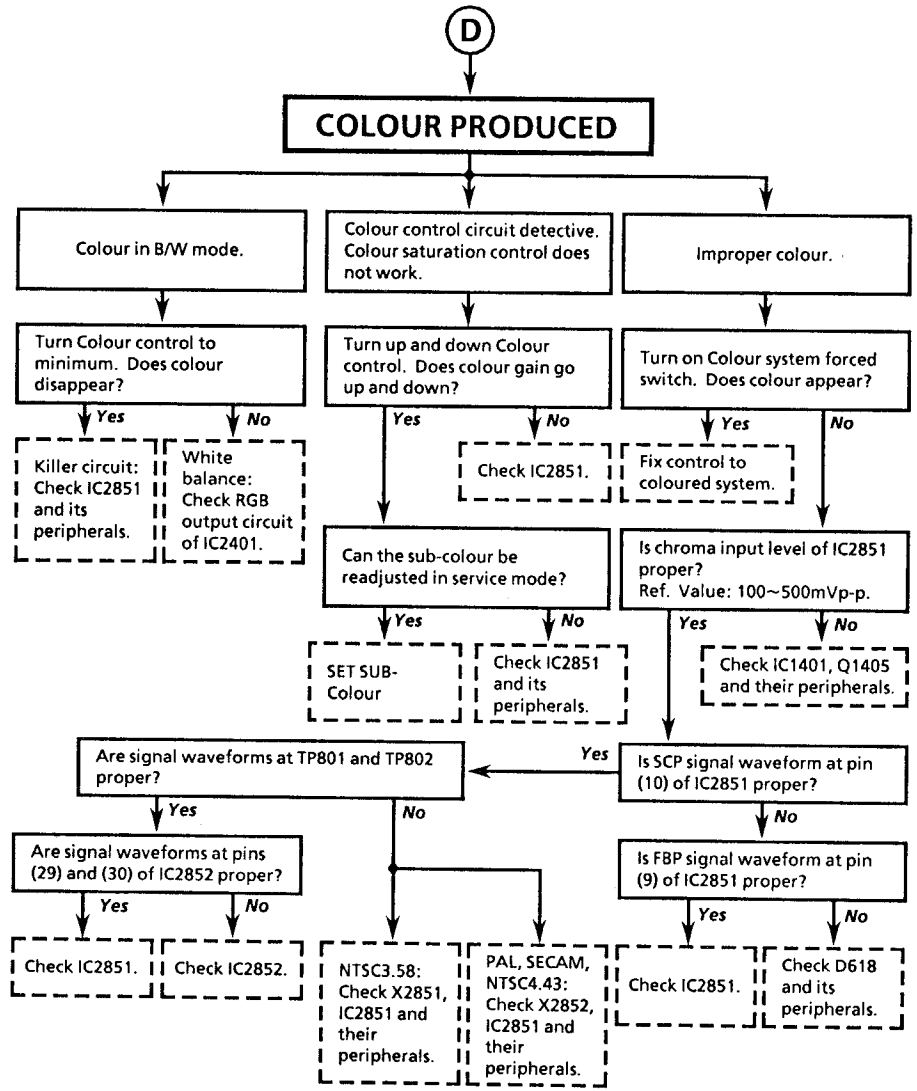
Circuits to be checked:
- Sound control circuit.
- Sound out circuit.
- SIF circuit.
- S-convertor.


NO NORMAL SOUND
Is audio output terminal J402 normal.
No
Yes
TV sound.
Is there audio signal at pins (26), (27) of IC303?
No
Yes
Change the sound system. Is sound normal?
Check IC303 peripheral circuit.
Set S-Vol at maximum. Do pins (12), (13), (14) of IC303 work?
No
Yes
Is there audio signal at pin (7) of (SH)?
Check IC303.
No
Yes
Check IC2202, IC2201, tuner and its peripheral circuit.
IF unit check IC2202 and its peripheral circuits. IF no problem, set the sound system in position.
Is there audio signal at pins (1), (9) of IC306?
Is there audio signal at pins (2), (4) of IC301?
Yes
Yes
Check IC306.
Check IC301.
Check IC401.

TROUBLE SHOOTING TABLE (Continued)

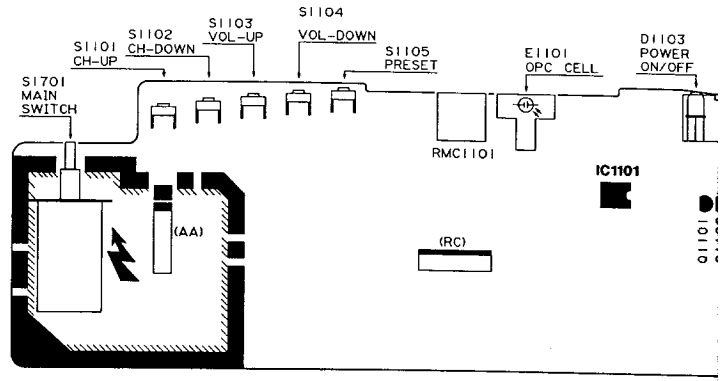

NO SPECIFIC COLOUR
Is only RF signal's colour abnormal?
Yes
No
D
Check TU201, IC2201,IC401 and their peripherals.
NO COLOUR
Turn up Colour control. Does colour appear?
Yes
Set Colour control.
No
Turn on Colour system forced switch. Does colour appear?
Yes
Fix control to coloured system.
No
Is chroma input level of IC2851 proper?
Yes
No
Check IC1401, Q1405 and their peripherals.
Is SCP signal waveform at pin (6) of IC2851 proper?
Yes
No
Are signal waveforms at TP801 and TP802 proper?
No
ID voltage Check NTSC (42) pin of IC2851 PAL (47) pin IC2851 SECAM (31) pin IC2851
NTSC3.58: Check X2851, pin (26) of IC2851 and their peripherals.
PAL, SECAM, NTSC4.43: Check X2852, pin (26) of IC2851 and their peripherals.
Yes
Is FBP signal waveform at pin (9) of IC2851 proper?
Yes
No
Check D618 and its peripherals.
Check IC2851.
Are waveforms at pins (29) and (30) of IC2852 proper?
No
Check IC2852 and its peripherals.
Yes
Check IC2851.

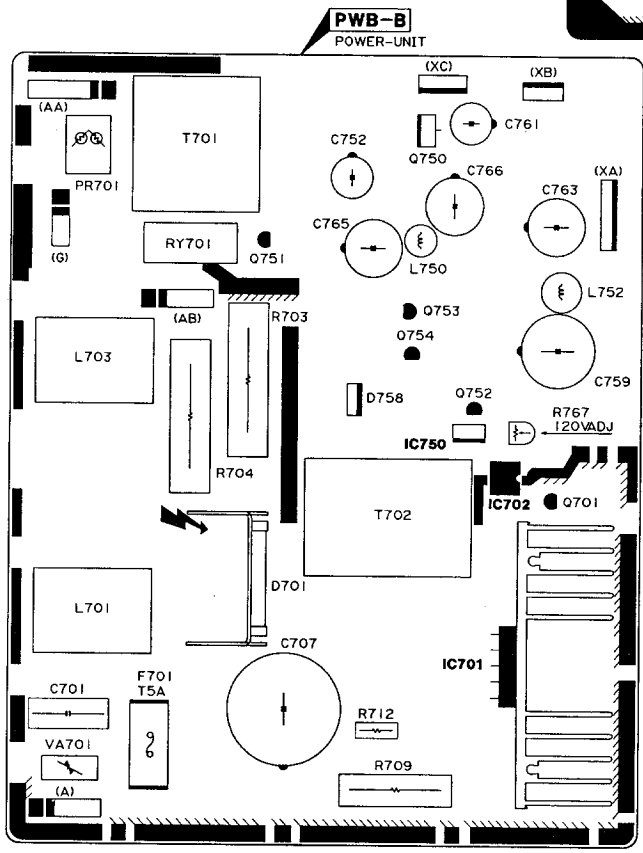
TROUBLE SHOOTING TABLE (Continued)

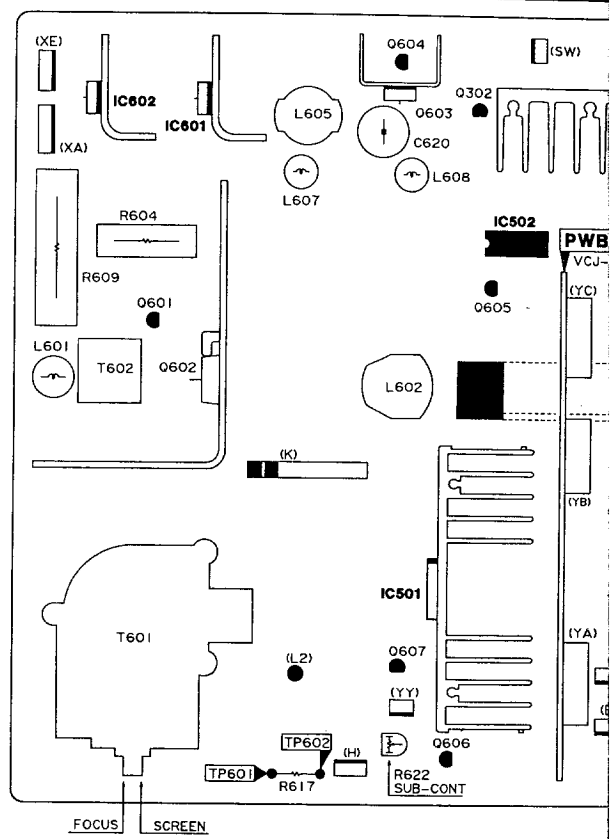

D
COLOUR PRODUCED
Colour in B/W mode.
Colour control circuit detective. Colour saturation control does not work.
Improper colour.
Turn Colour control to minimum. Does colour disappear?
Yes
No
Killer circuit: Check IC2851 and its peripherals.
White balance: Check RGB output circuit of IC2401.
Turn up and down Colour control. Does colour gain go up and down?
Yes
No
Check IC2851.
Turn on Colour system forced switch. Does colour appear?
Yes
No
Fix control to coloured system.
Can the sub-colour be readjusted in service mode?
Yes
No
SET SUB-Colour
Check IC2851 and its peripherals.
Is chroma input level of IC2851 proper? Ref. Value: 100~500mVp-p.
Yes
No
Check IC1401, Q1405 and their peripherals.
Are signal waveforms at TP801 and TP802 proper?
Yes
No
Are signal waveforms at pins (29) and (30) of IC2852 proper?
Yes
No
Check IC2851.
Check IC2852.
NTSC3.58: Check X2851, IC2851 and their peripherals.
PAL, SECAM, NTSC4.43: Check X2852, IC2851 and their peripherals.
Is SCP signal waveform at pin (10) of IC2851 proper?
Yes
No
Is FBP signal waveform at pin (9) of IC2851 proper?
Yes
No
Check IC2851.
Check D618 and its peripherals.

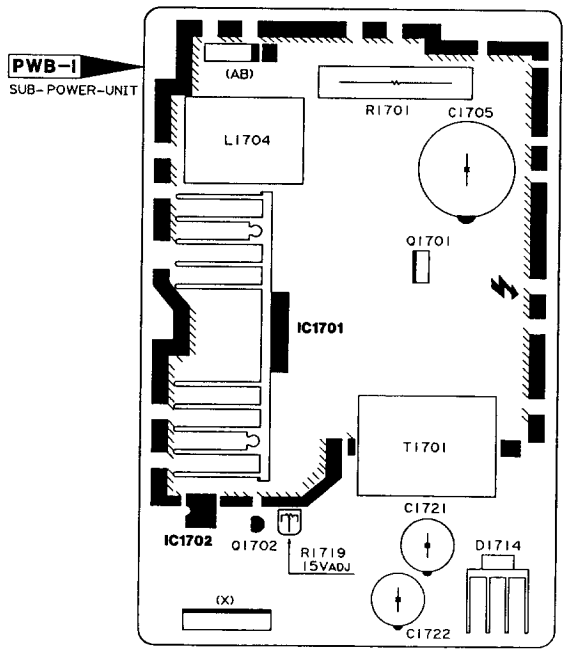
Memo

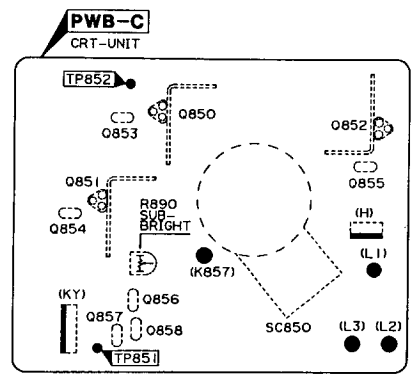
CHASSIS LAYOUT

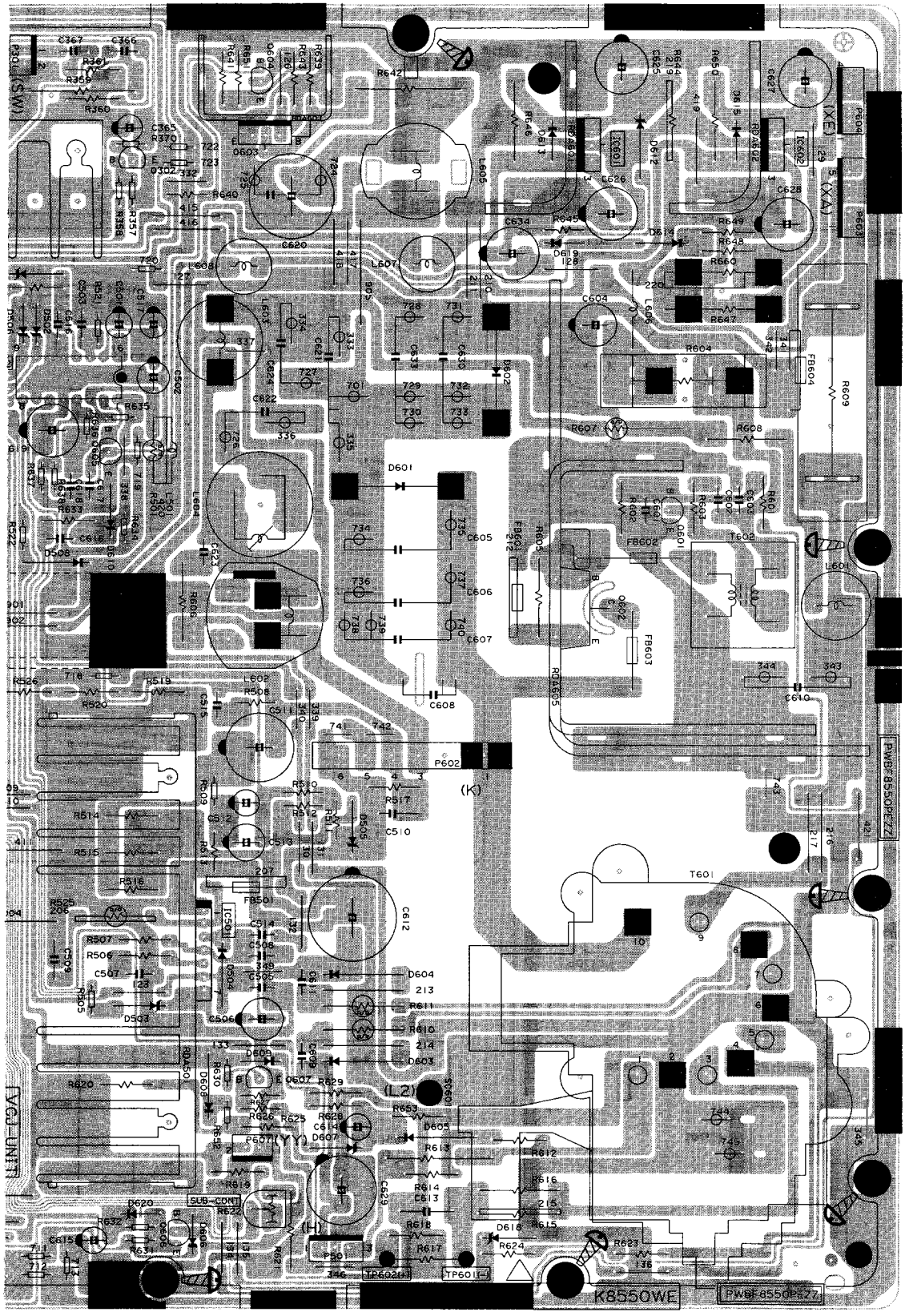




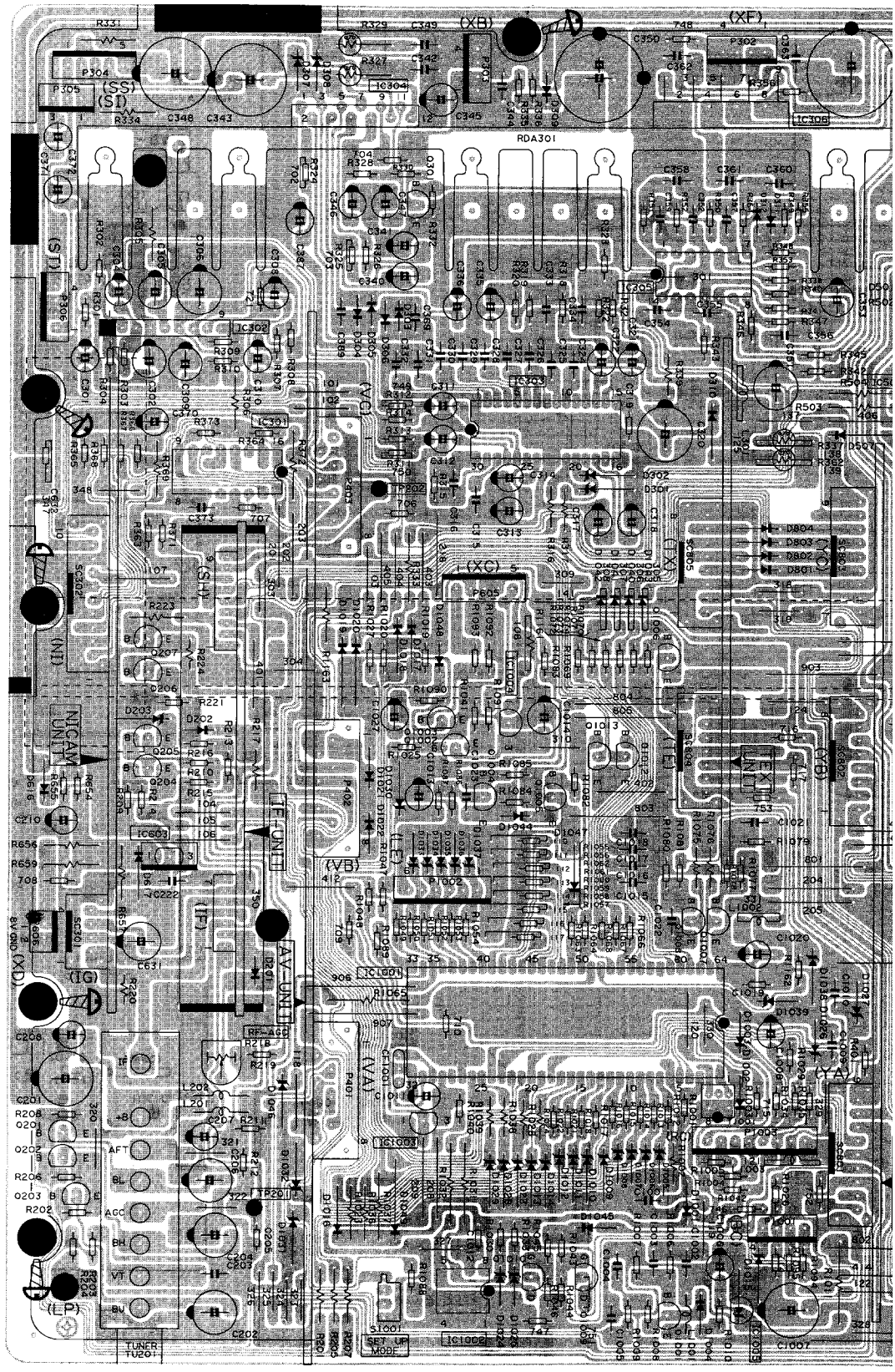




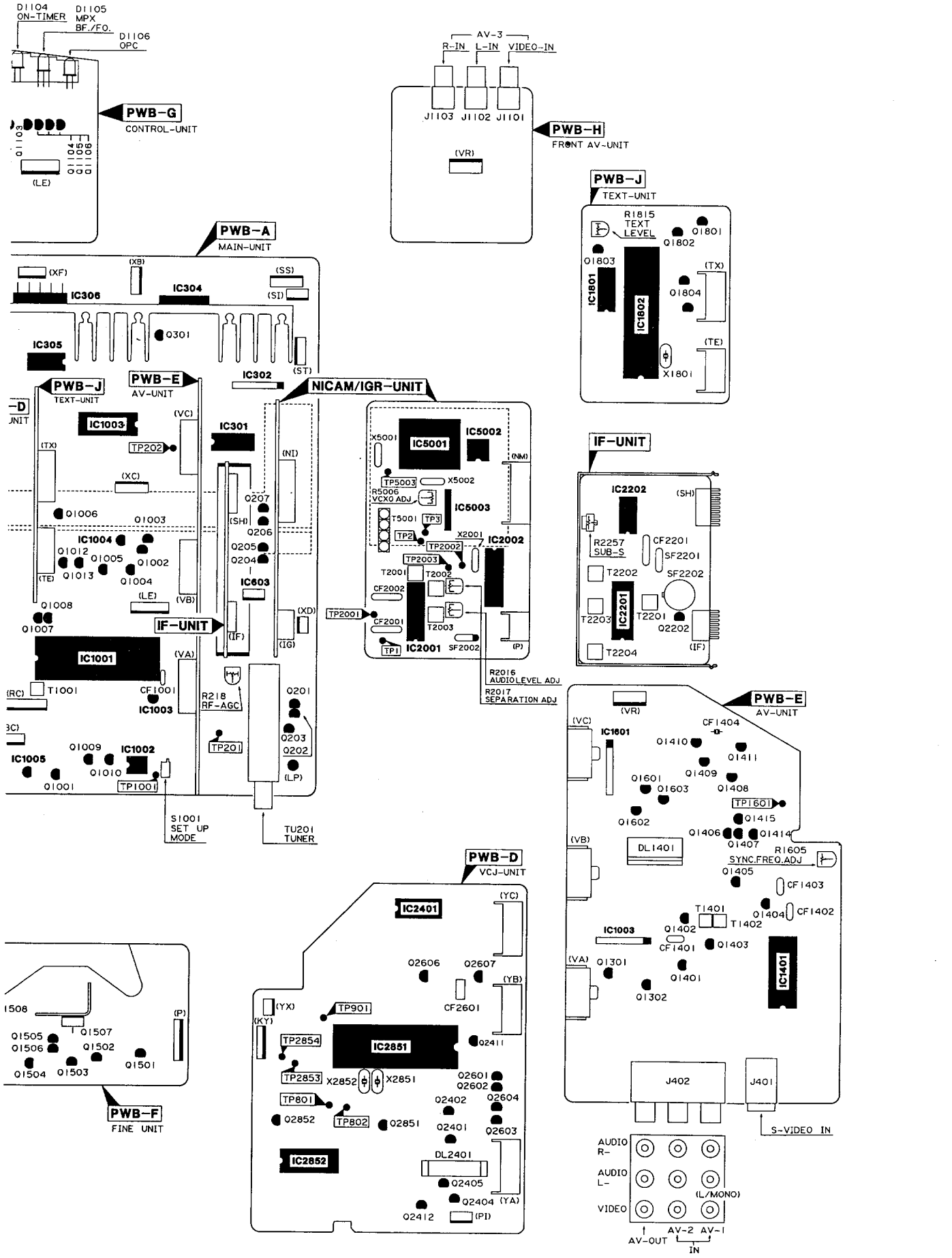


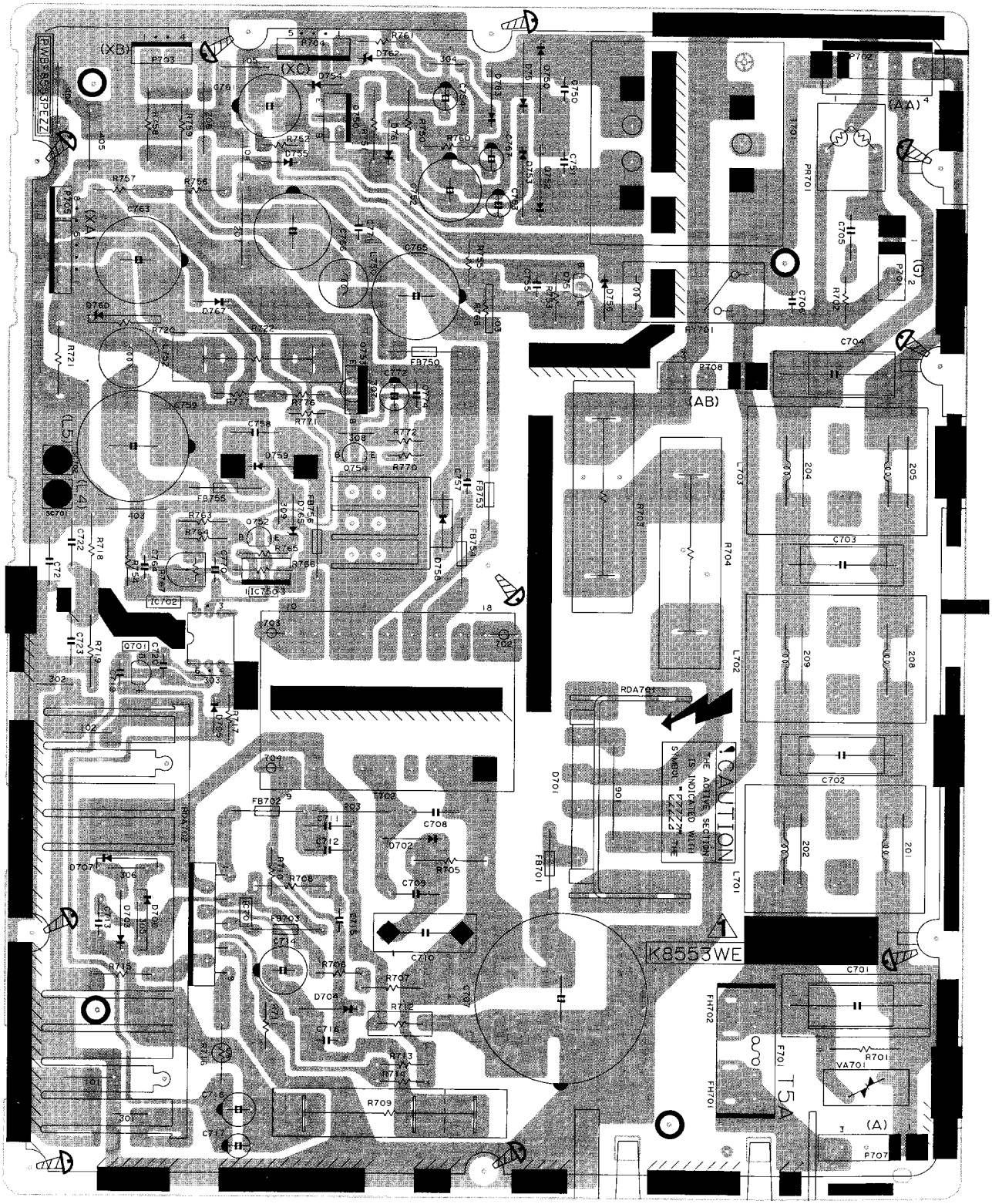

K8550WE
PWBF8550PE2Z
VCJ UNIT
SUB-CONT
(K)
(L2)
(H)
(YY)
(XE)
(XA)
(SW)
T601
IC501
P602
P501
TP602(+)
TP601(-)

PRINTED WIRING BOARD ASSEMBLIES

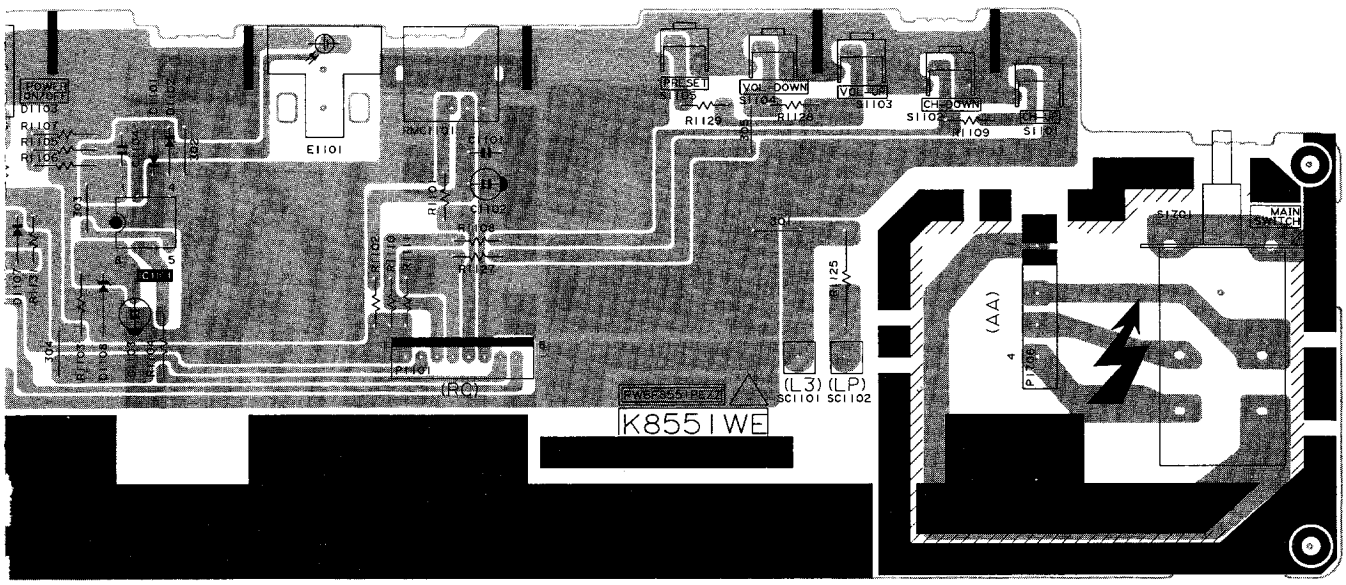


PWB-A : Main Unit (Wiring Side)

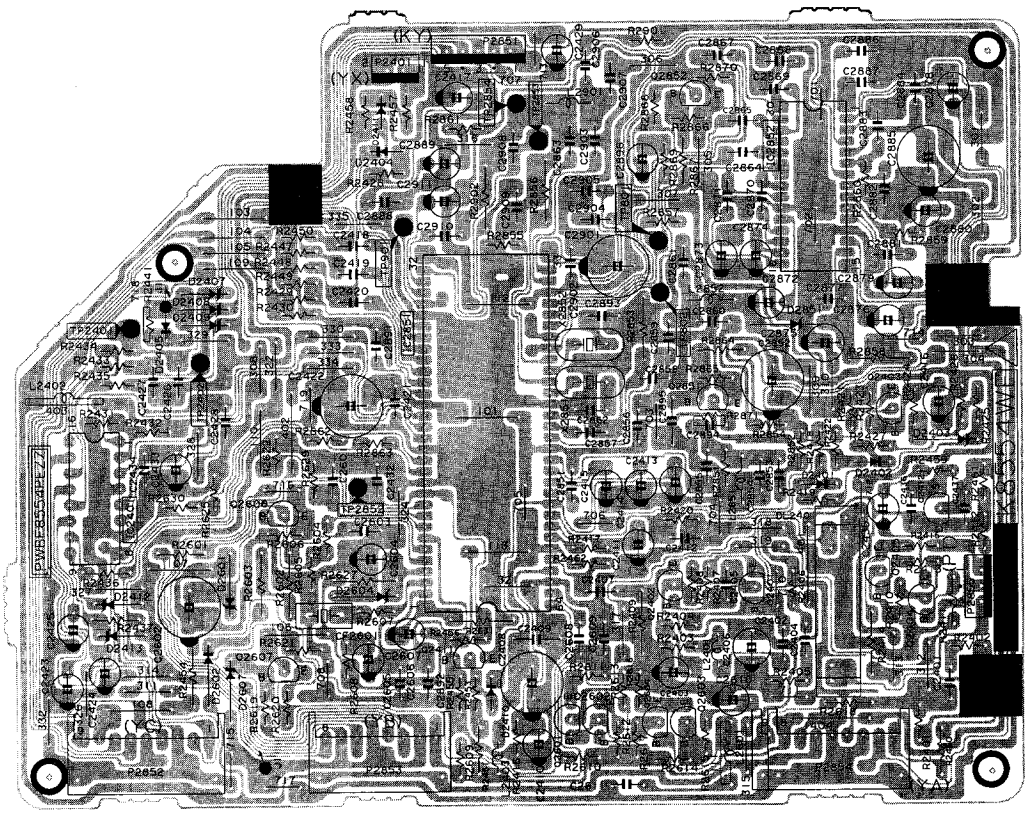

D1104 ON-TIMER
D1105 MPX BF./FO.
D1106 OPC
PWB-G CONTROL-UNIT
(LE)
AV-3
R-IN
L-IN
VIDEO-IN
J1103 J1102 J1101
PWB-H FRONT AV-UNIT
(VR)
PWB-J TEXT-UNIT
R1815 TEXT LEVEL
Q1801
Q1802
Q1803
IC1801
IC1802
(TX)
Q1804
(TE)
X1801
PWB-A MAIN-UNIT
(XF)
(XB)
(SS)
(SI)
IC306
IC304
Q301
IC305
(ST)
PWB-J TEXT-UNIT
PWB-E AV-UNIT
IC302
NICAM/IGR-UNIT
IC1003
(VC)
IC301
(TX)
TP202
(NI)
(XC)
Q207
Q206
Q1006
Q1003
(SH)
IC1004
Q1012
Q1005
Q1002
Q205
Q204
(TE)
Q1013
Q1004
IC603
(LE)
(VB)
Q1008
Q1007
IF-UNIT
(XD)
(IF)
(IG)
IC1001
(VA)
(RC)
T1001
CF1001
IC1003
R218 RF-AGC
Q201
Q203
Q202
TP201
(LP)
IC1005
Q1009
IC1002
Q1010
Q1001
TP1001
S1001 SET UP MODE
TU201 TUNER
X5001
IC5001
IC5002
(NM)
TP5003
X5002
R5006 VCXO ADJ
IC5003
T5001
TP3
TP2
X2001
IC2002
TP2002
TP2003
T2001
T2002
CF2002
TP2001
CF2001
T2003
TP1
IC2001
SF2002
(P)
R2016 AUDIO LEVEL ADJ
R2017 SEPARATION ADJ
IF-UNIT
IC2202
(SH)
R2257 SUB-S
CF2201
SF2201
T2202
SF2202
IC2201
T2203
T2201
Q2202
T2204
(IF)
PWB-E AV-UNIT
(VR)
(VC)
IC1601
CF1404
Q1410
Q1411
Q1409
Q1601
Q1603
Q1408
TP1601
Q1602
Q1415
Q1406
Q1407
Q1414
(VB)
DL1401
R1605 SYNC.FREQ.ADJ
Q1405
CF1403
T1401
Q1404
CF1402
T1402
IC1003
Q1402
CF1401
Q1403
IC1401
(VA)
Q1301
Q1401
Q1302
J402
J401
S-VIDEO IN
AUDIO R-
AUDIO L-
(L/MONO)
VIDEO
AV-OUT
AV-2 AV-1 IN
PWB-D VCJ-UNIT
IC2401
(YC)
Q2606
Q2607
(YB)
CF2601
(YX)
(KY)
TP901
TP2854
IC2851
Q2411
TP2853
X2852
X2851
Q2601
Q2602
TP801
Q2402
Q2604
Q2852
TP802
Q2851
Q2401
Q2603
IC2852
DL2401
Q2405
Q2404
(YA)
Q2412
(PI)
1508
Q1507
(P)
Q1505
Q1506
Q1502
Q1504
Q1503
Q1501
PWB-F FINE UNIT



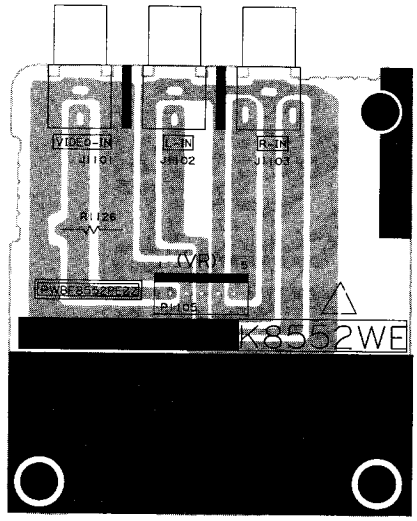
PWB-B : Power Unit (Wiring Side)

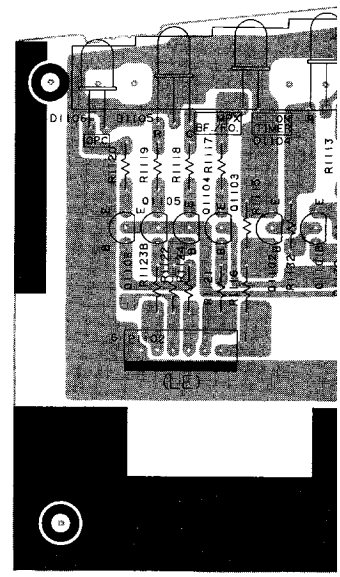


PWB-G: Control Unit (Wiring Side)

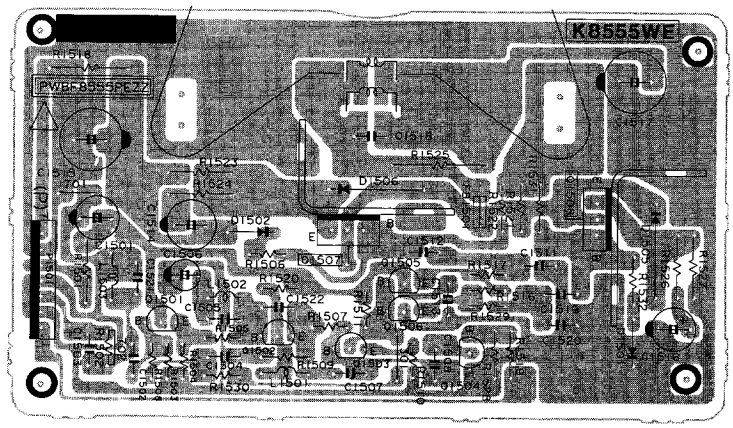


PWB-D: VCJ Unit (Wiring Side)

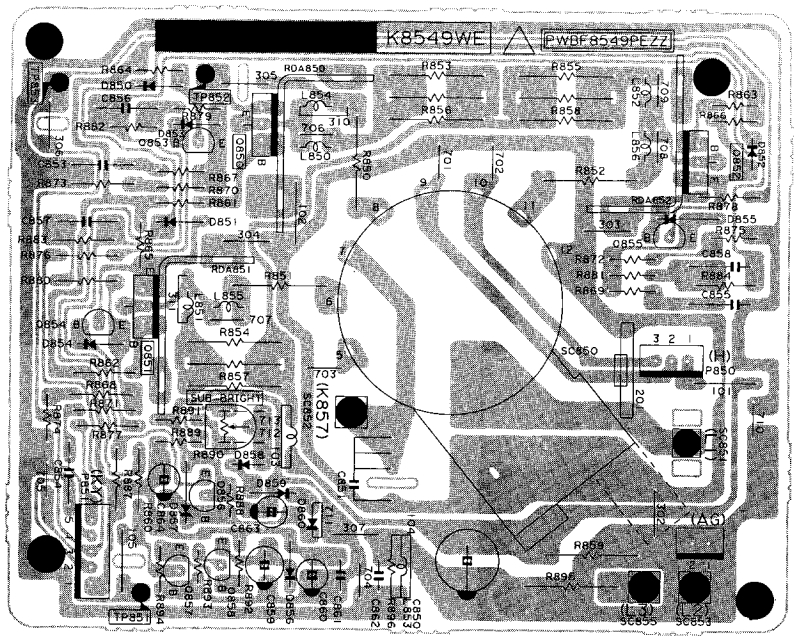




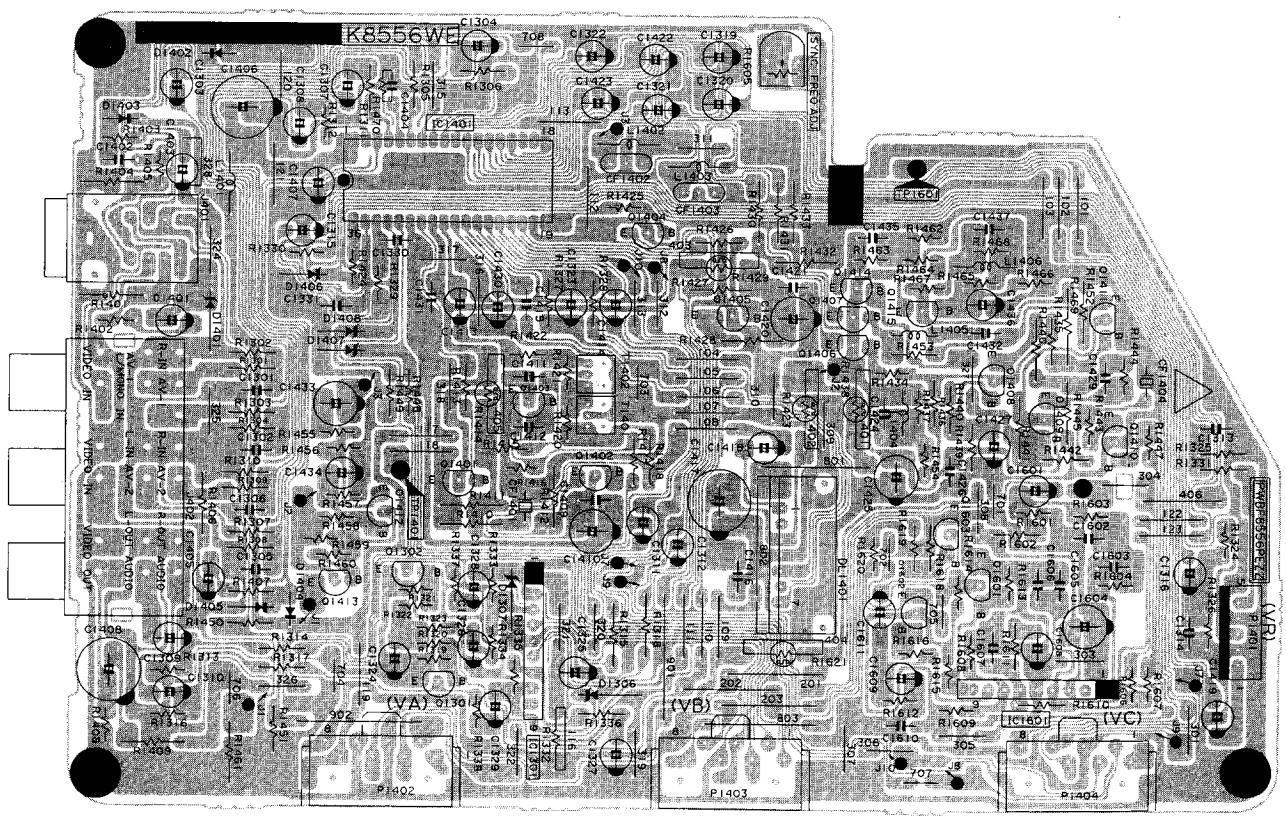
PWB-H: Front AV Unit (Wiring Side)



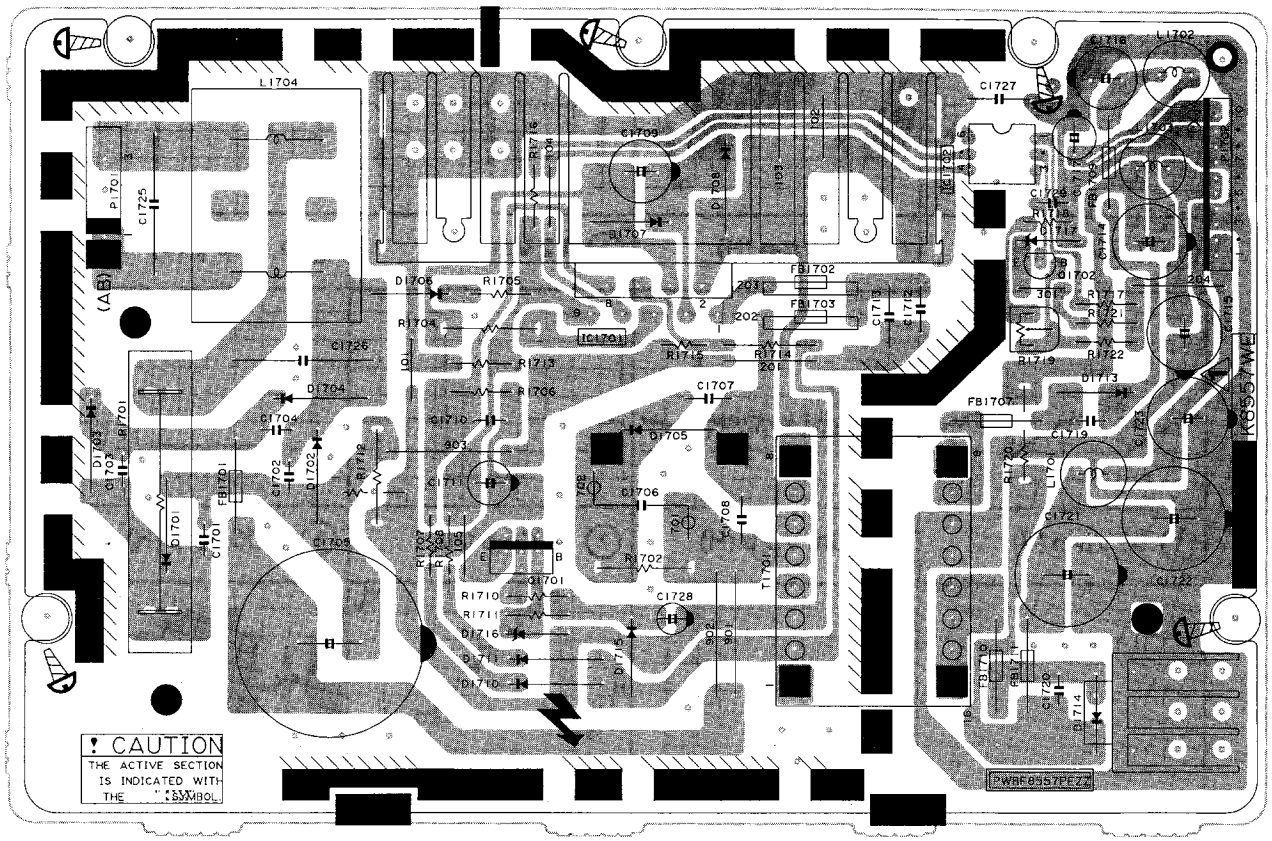
PWB-F: Fine Unit (Wiring Side)



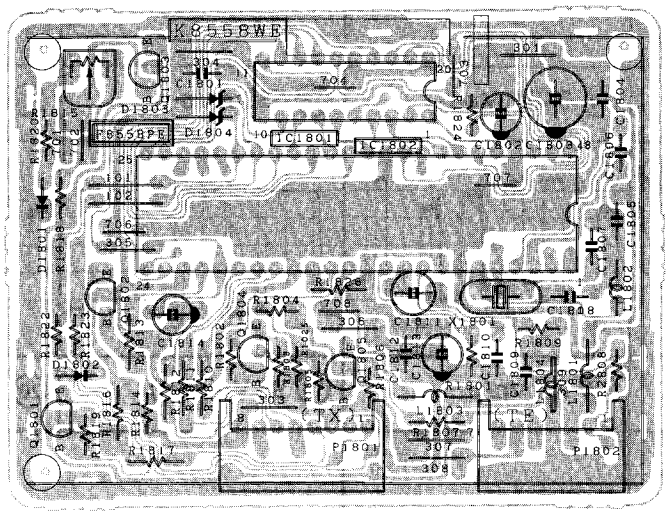
PWB-C : CRT Socket Unit (Wiring Side)



PWB-E : AV Unit (Wiring Side)

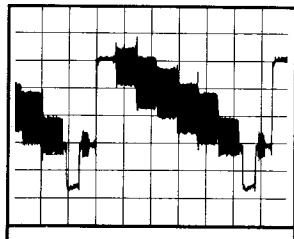


PWB-I : Sub-Power Unit (Wiring Side)

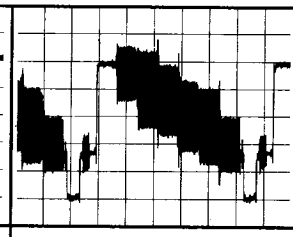


PWB-J : TEXT Unit (Wiring Side)

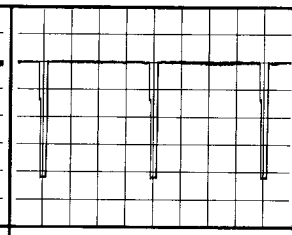
WAVE FORMS



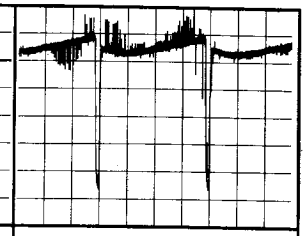
① 1.6 Vp-p (H)



② 2.0 Vp-p (H)

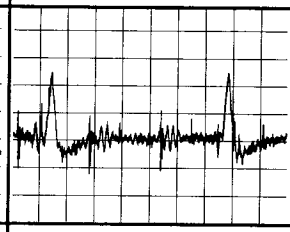


③ 4.2 Vp-p (H)

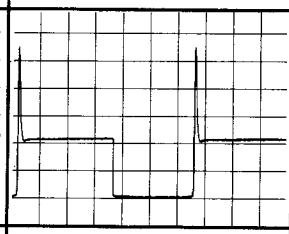


④ 1.1 Vp-p (V)

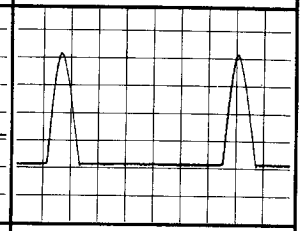
⑤ 53 Vp-p (V)



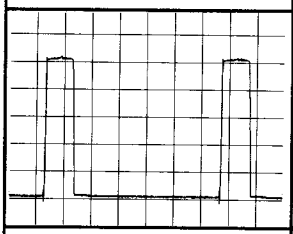
⑥ 60m Vp-p (H)



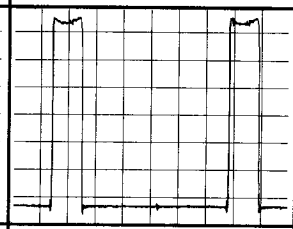
⑦ 54 Vp-p (H)



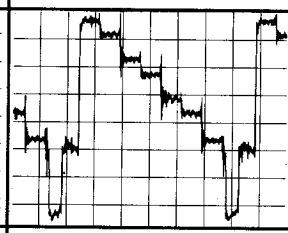
⑧ 1000 Vp-p (H)



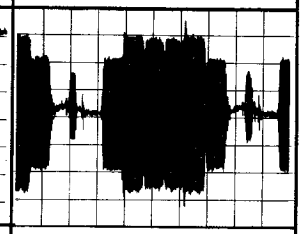
⑨ 10 Vp-p (H)



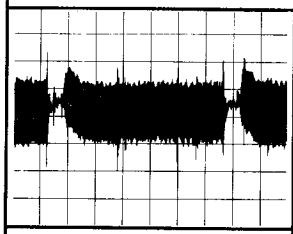
⑩ 1.4 Vp-p (H)



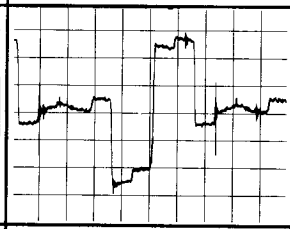
⑪ 0.8 Vp-p (H)



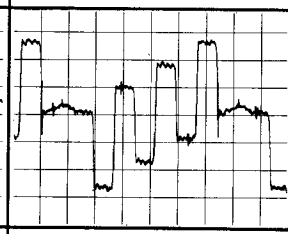
⑫ 0.57 Vp-p (H)



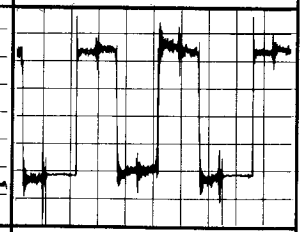
⑬ 0.13 Vp-p (SECAM)



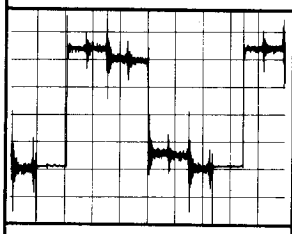
⑭ 540m Vp-p



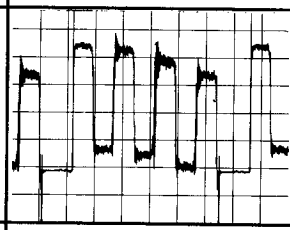
⑮ 550m Vp-p



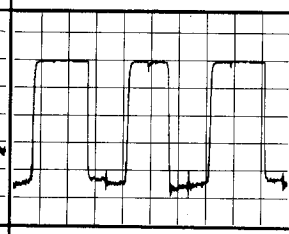
⑯ 2.6 Vp-p



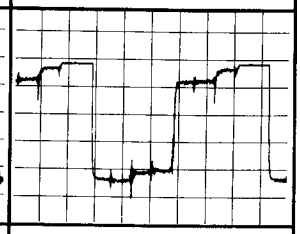
⑰ 2.3 Vp-p



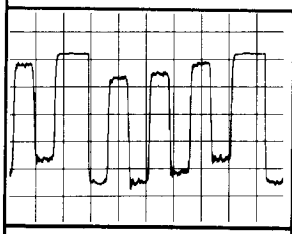
⑱ 2.3 Vp-p



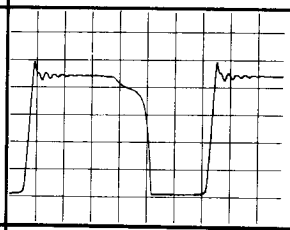
⑲ 95 Vp-p (H)



⑳ 86 Vp-p



㉑ 96 Vp-p (H)



㉒ 330 Vp-p AC110V (480 Vp-p AC220V)

DESCRIPTION OF SCHEMATIC DIAGRAM

CAUTION: This circuit diagram is original one, therefore there may be a slight difference from yours.

SAFETY NOTE:

1. DISCONNECT THE AC PLUG FROM THE AC OUTLET BEFORE REPLACEING PARTS.
2. SEMICONDUCTOR HEAT SINKS SHOULD BE REGARDED AS POTENTIAL SHOCK HAZARDS WHEN THE CHASSIS IS OPERATING.

IMPORTANT SAFETY NOTICE:

PARTS MARKED WITH "⚠" (▒▒▒▒▒▒▒▒) ARE IMPORTANT FOR MAINTAINING THE SAFETY OF THE SET. BE SURE TO REPLACE THESE PARTS WITH SPECIFIED ONES FOR MAINTAINING THE SAFETY AND PERFORMANCE OF THE SET.

SERVICE PRECAUTION:

THE AREA ENCLOSED BY THIS LINE (▬▬ ▪ ▬▬) IS DIRECTLY CONNECTED WITH AC MAINS VOLTAGE.
WHEN SERVICING THE AREA, CONNECT AN ISOLATING TRANSFORMER BETWEEN TV RECEIVER AND AC LINE TO ELIMINATE HAZARD OF ELECTRIC SHOCK.

NOTES:

1. The unit of resistance "ohm" is omitted. (K = 1000 ohms, M = Meg ohm).
2. All resistors are 1/8 watt, unless otherwise noted.
3. All capacitors are μF, unless otherwise noted. (P = $\mu\mu$F).
4. The diodes, whose parts code is not described, are the 1SS119.

VOLTAGE MEASUREMENT CONDITIONS:

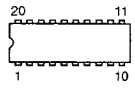
1. The voltage without parenthesis represents the value measured with PAL colour signal.
2. The voltage in parenthesis represents the value measured with no signal.
3. All the voltages were measured by using a high impedance voltmeter.

WAVEFORM MEASUREMENT CONDITIONS:

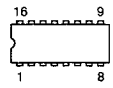
1. The colour bar signal applied to the TP202 is 2.0 Vp-p.
2. The tuner AGC voltage is approximately 4V.

SOLID STATE DEVICE BASE DIAGRAMS

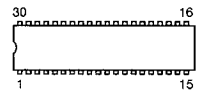
TOP VIEW



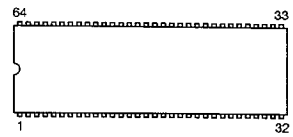
VHiM52317SP (IF)



VHiTA8889P/-1
VHiTA8859BP-1
VHiEF4052B-1



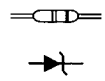
VHiTA8646N (IF)
VHiTA8772AN-1
VHiUPC1853C-1



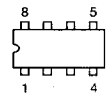
RH-iX2523CEZZ
RH-iX2508CEZZ

VHiST24C04-1

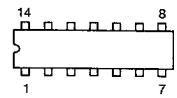
RH-FX0024CEZZ



RH-iX0249CEZZ



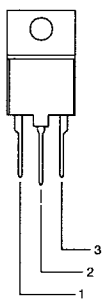
VHiUPC358C/-1



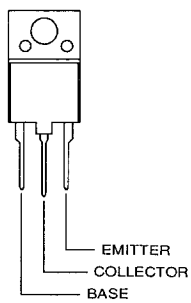
VHiNJM2058D-1

SIDE VIEW

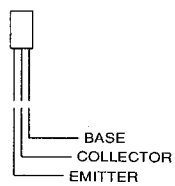
VHiTA7809S/-1



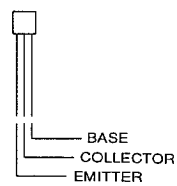
VS2SA968Y//-1
VS2SC2238Y/-1
VS2SC3851A/-1
VS2SC3866A/1E
VS2SC4382//1E
VS2SC4544LB1E



VS2SC2290/-1
VS2SC3328Y/1E



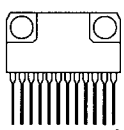
VS2SA1015Y/1E
VS2SC1815GW-1
VS2SC1906//1E
VS2SC383-WT-1



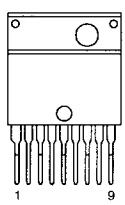
VHiUPC78L05-4

VHiPST529C2-1

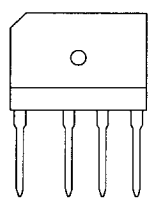
VHiTA8216H/-1



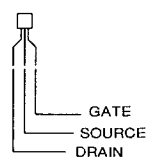
VHiSTRS6707-1
VHiSTRS6309-1



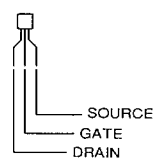
RH-DX0336CEZZ



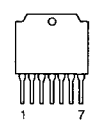
VS2SK583///-1



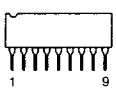
VS2SK30AG//2E



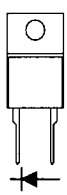
VHiTA8427K/-1



VHiAN5421//-1
VHiBA3308//-1



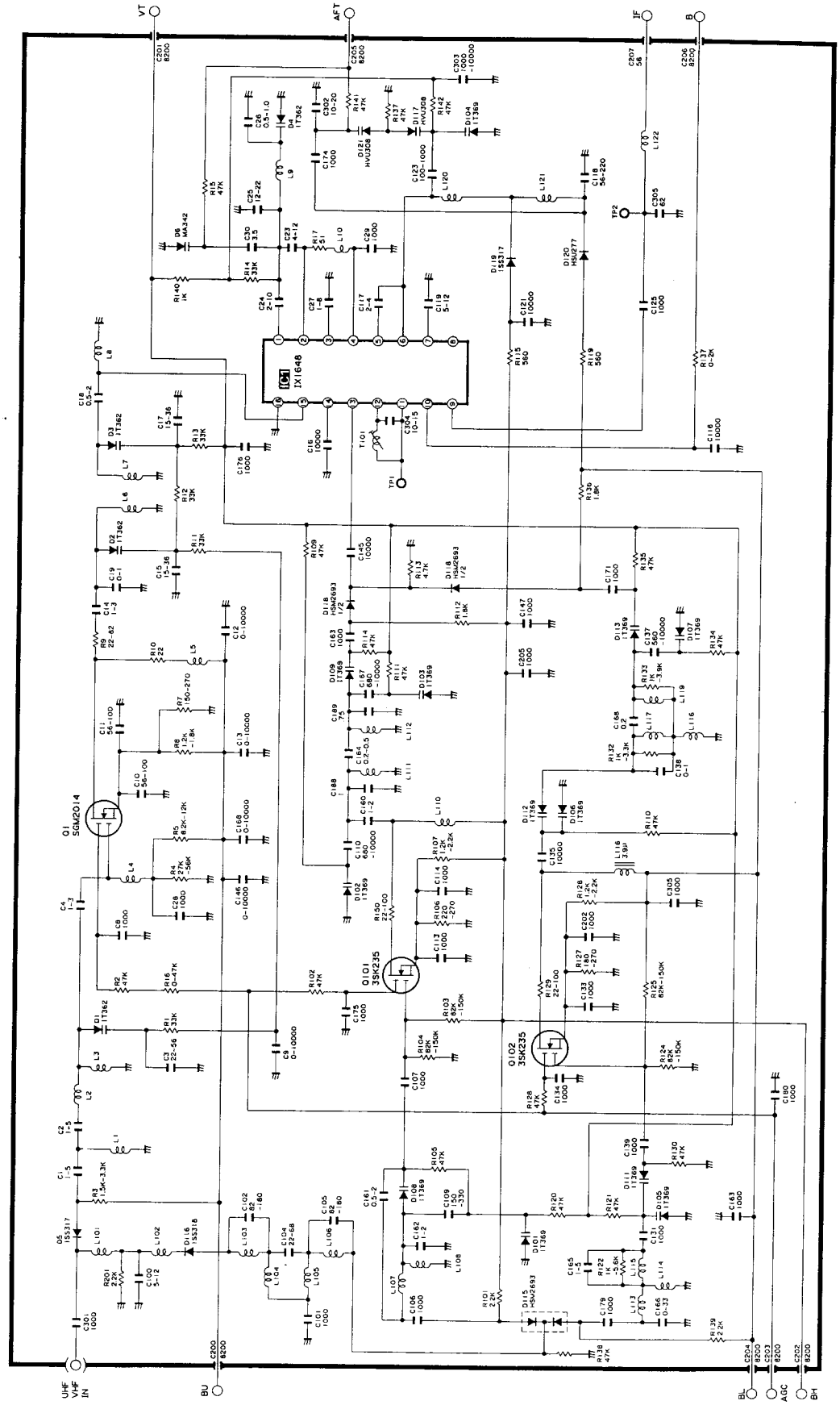
RH-DX0445CE



■ Tuner

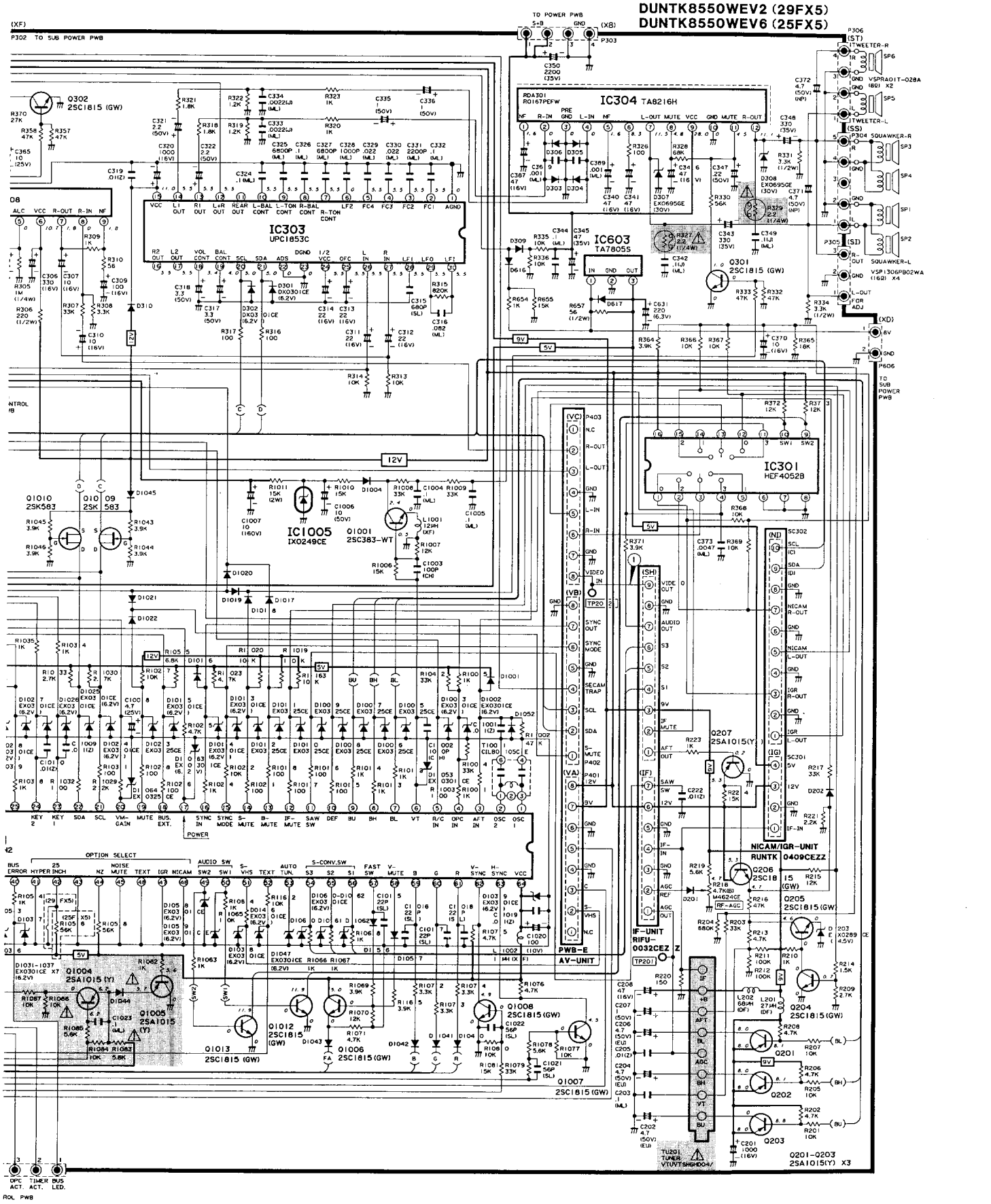
NOTE: The parts here shown are supplied as an assembly but not independently.

⚠ VTUVTSH6HD04/

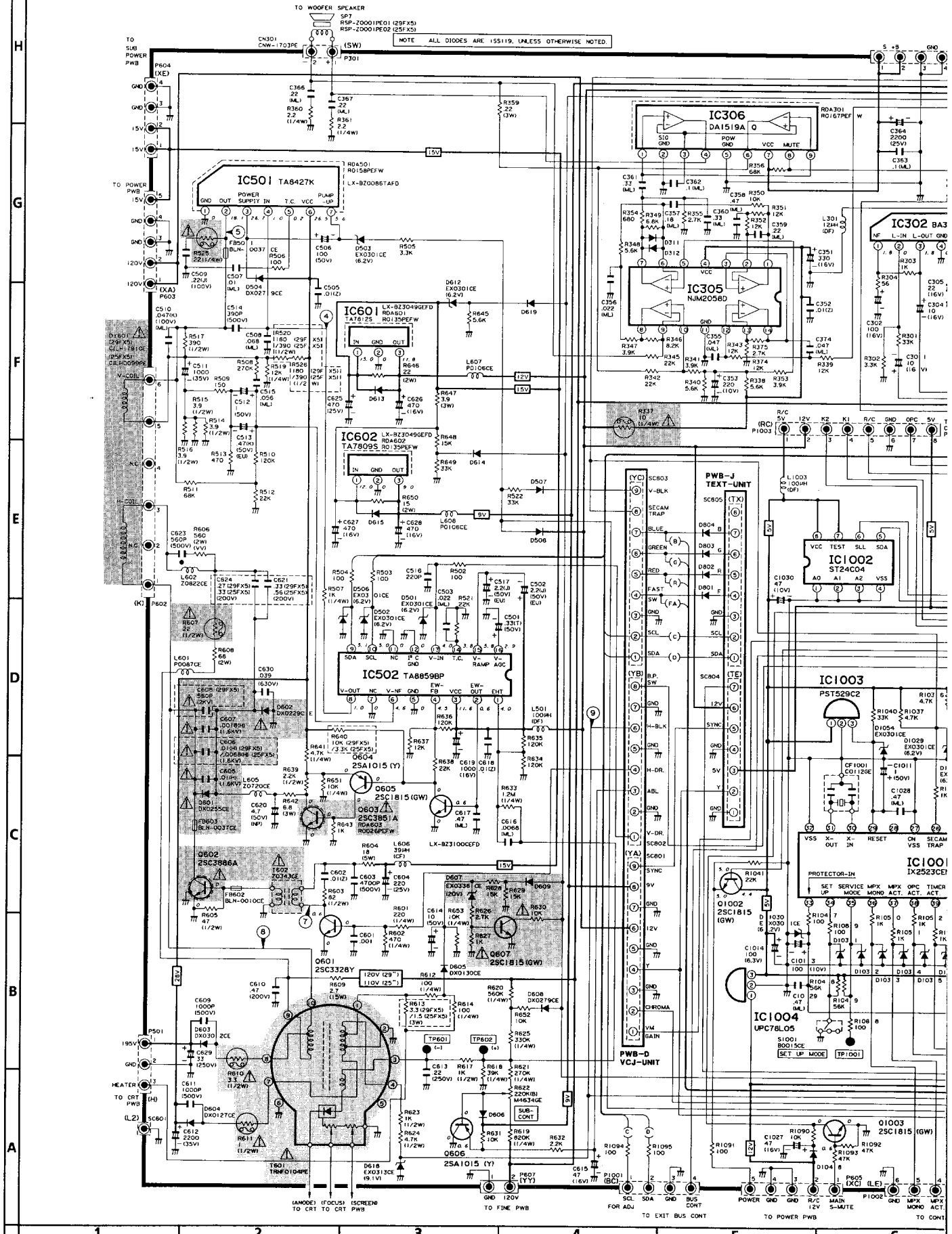


CAUTION: This circuit diagram is original one, therefore there may be a slight difference from yours.

PWB-A (MAIN-UNIT)
DUNTK8550WEV2 (29FX5)
DUNTK8550WEV6 (25FX5)



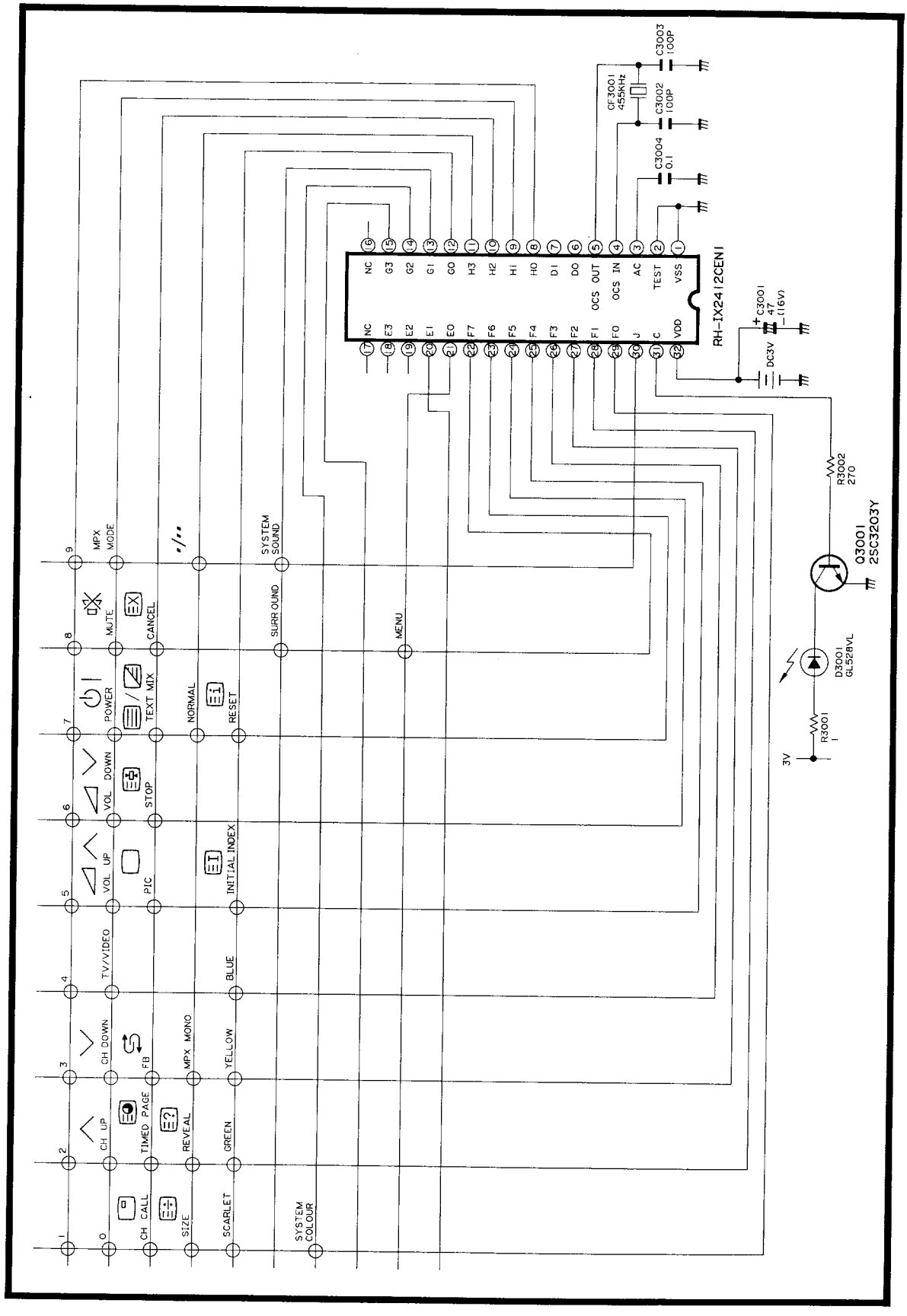
SCHEMATIC DIAGRAM ■ Main Unit



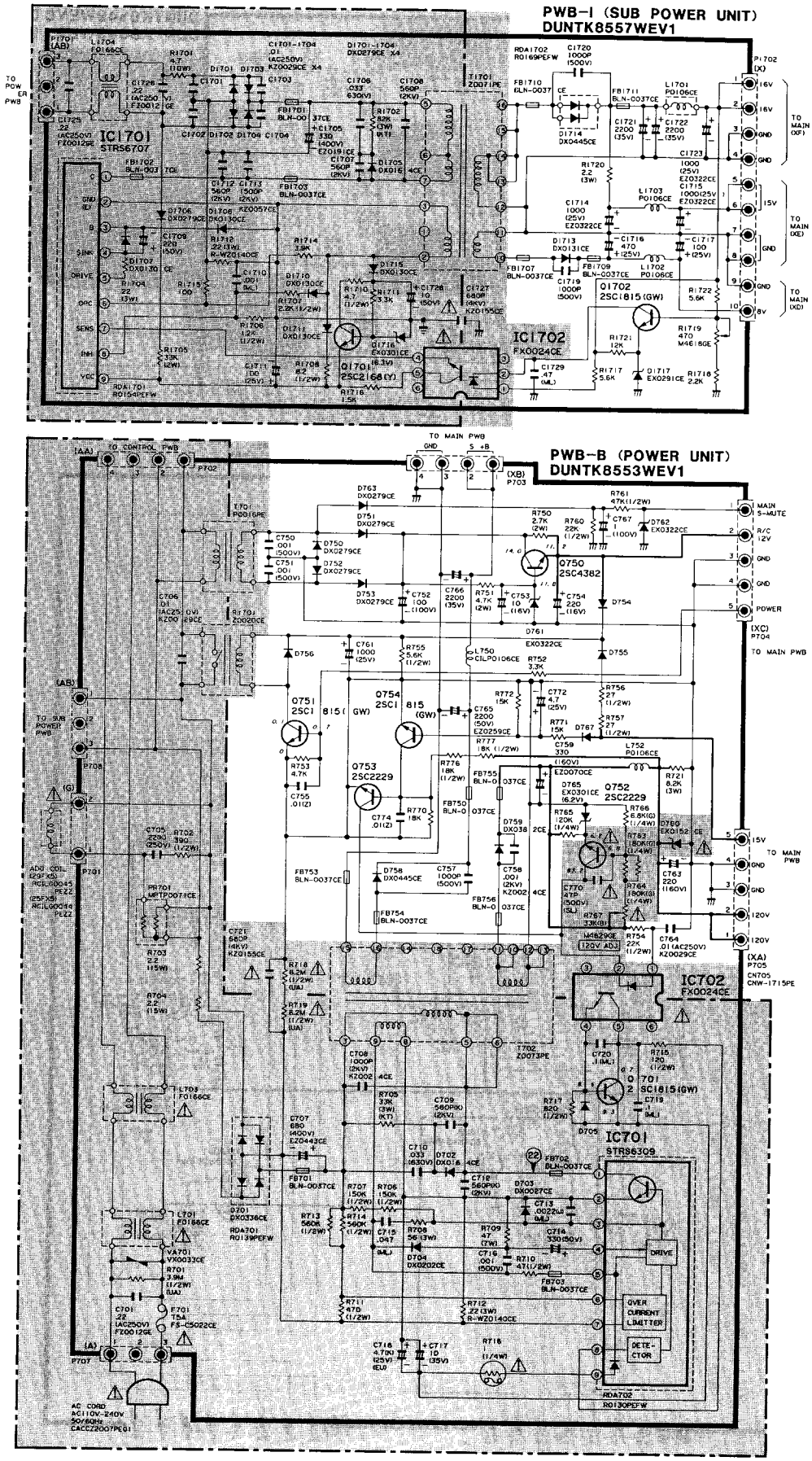
■ Infrared Remote Control Unit

NOTE: The parts here shown are supplied as an assembly but not independently.

RRMCG1095PESA

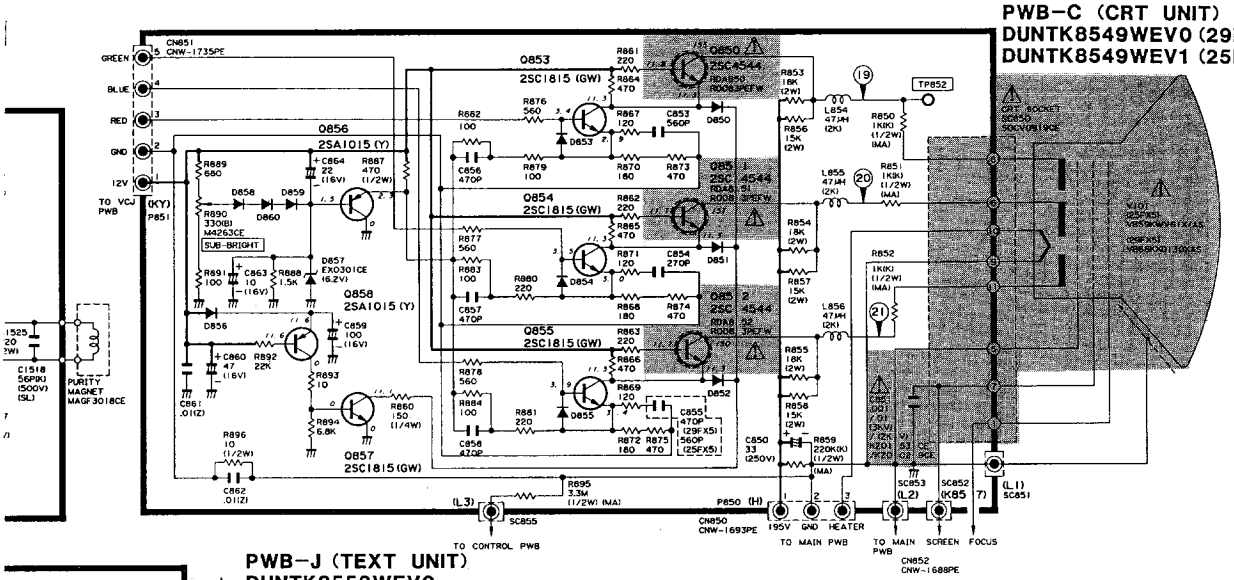


SCHEMATIC DIAGRAM ■ Sub-1 Unit

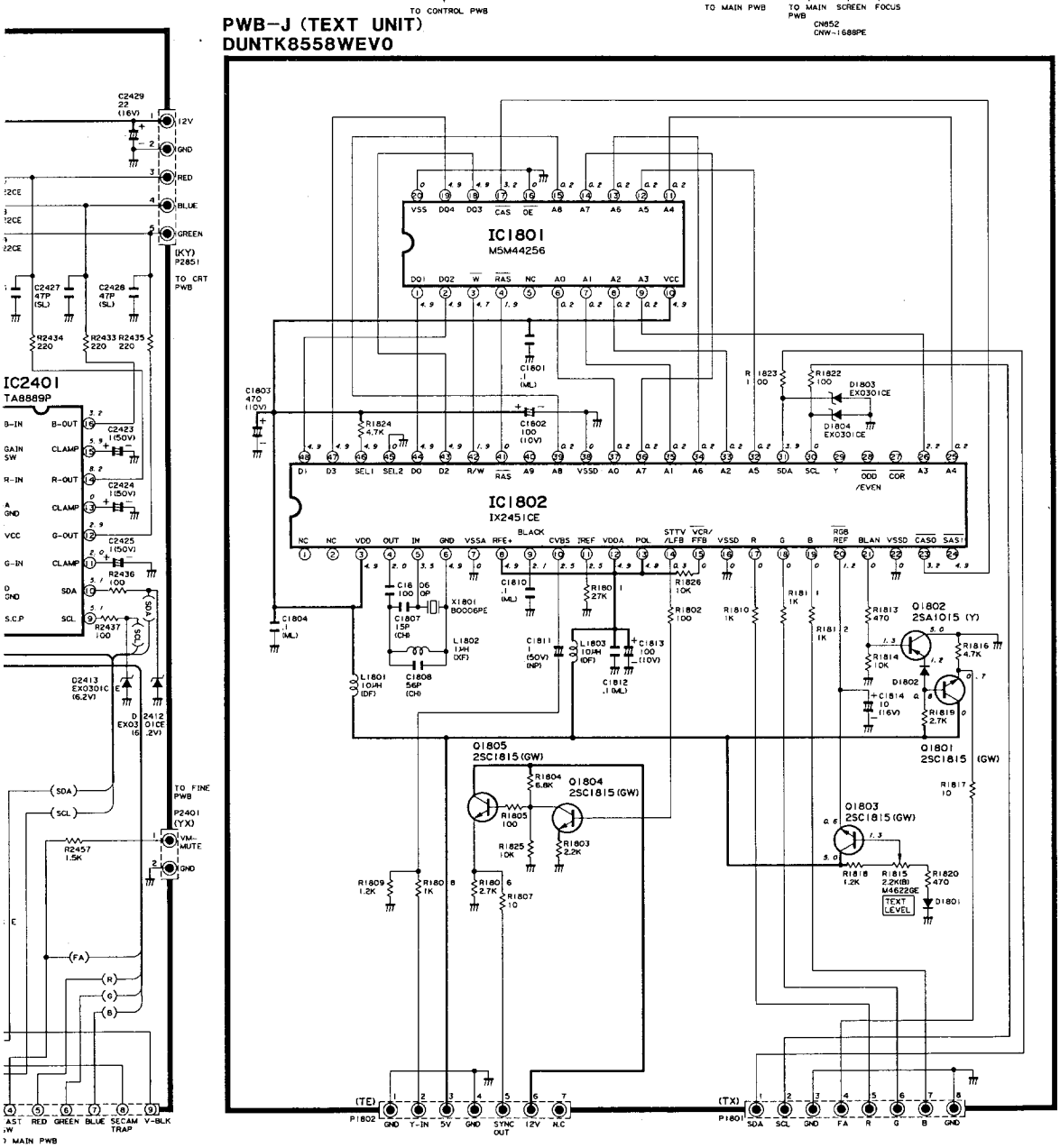


CAUTION: This circuit diagram is original one, therefore there may be a slight difference from yours.

PWB–C (CRT UNIT)
DUNTK8549WEV0 (29FX5)
DUNTK8549WEV1 (25FX5)



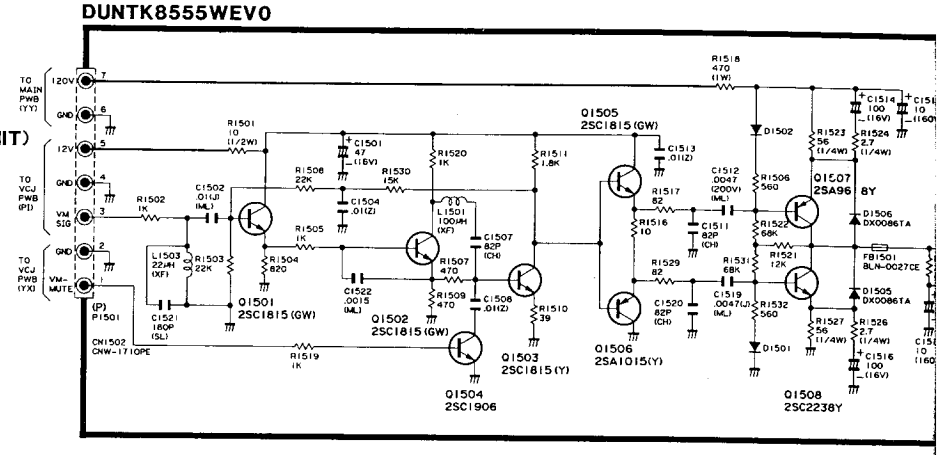
PWB–J (TEXT UNIT)
DUNTK8558WEV0



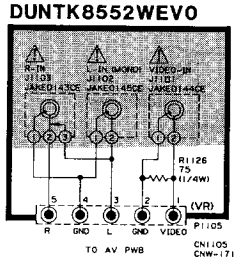
SCHEMATIC DIAGRAM ■ Sub-2 Unit

NOTE ALL DIODES ARE 1SS119, UNLESS OTHERWISE NOTED

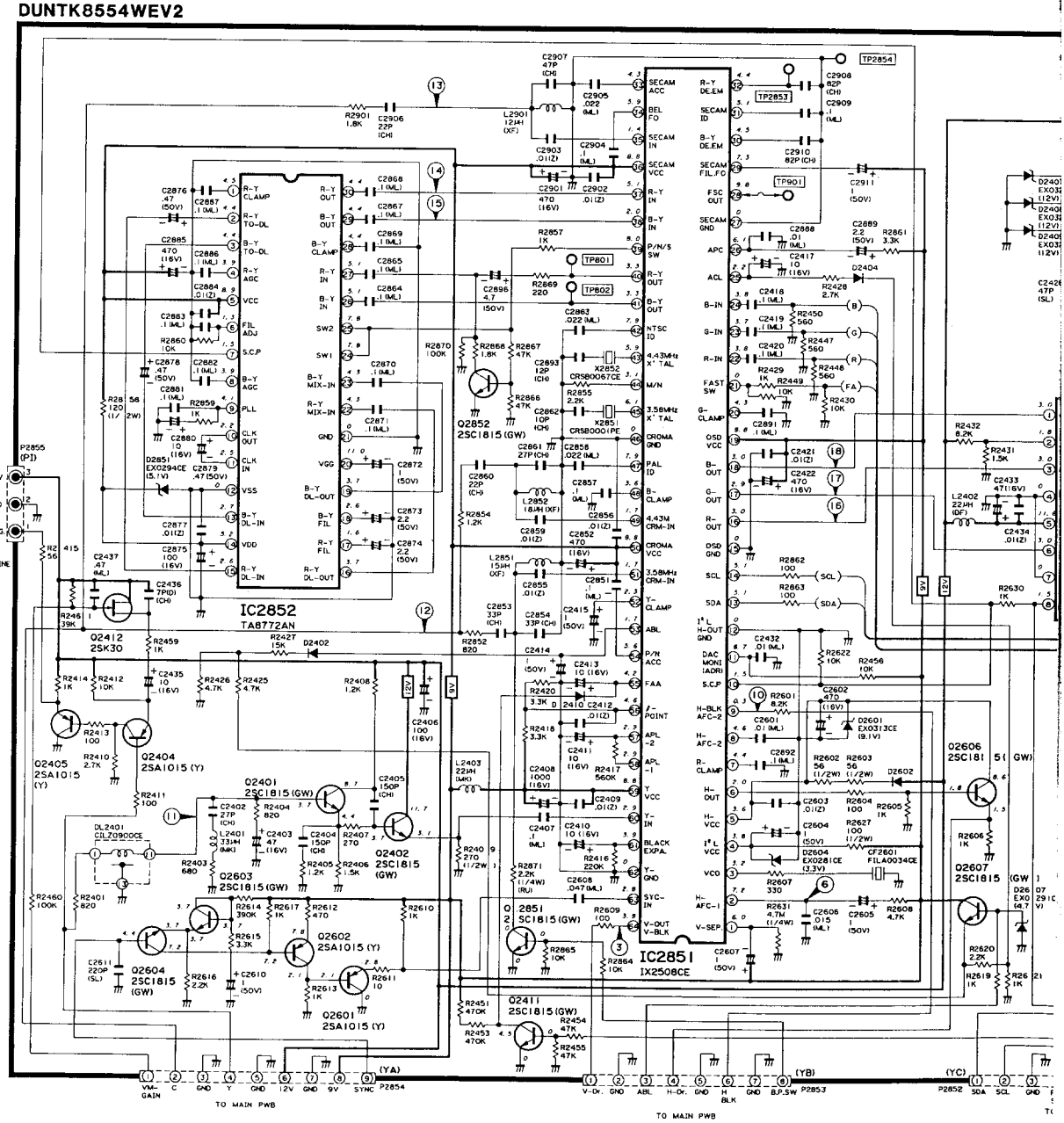
PWB–F (FINE UNIT)
DUNTK8555WEV0



PWB–H (FRONT AV UNIT)
DUNTK8552WEV0

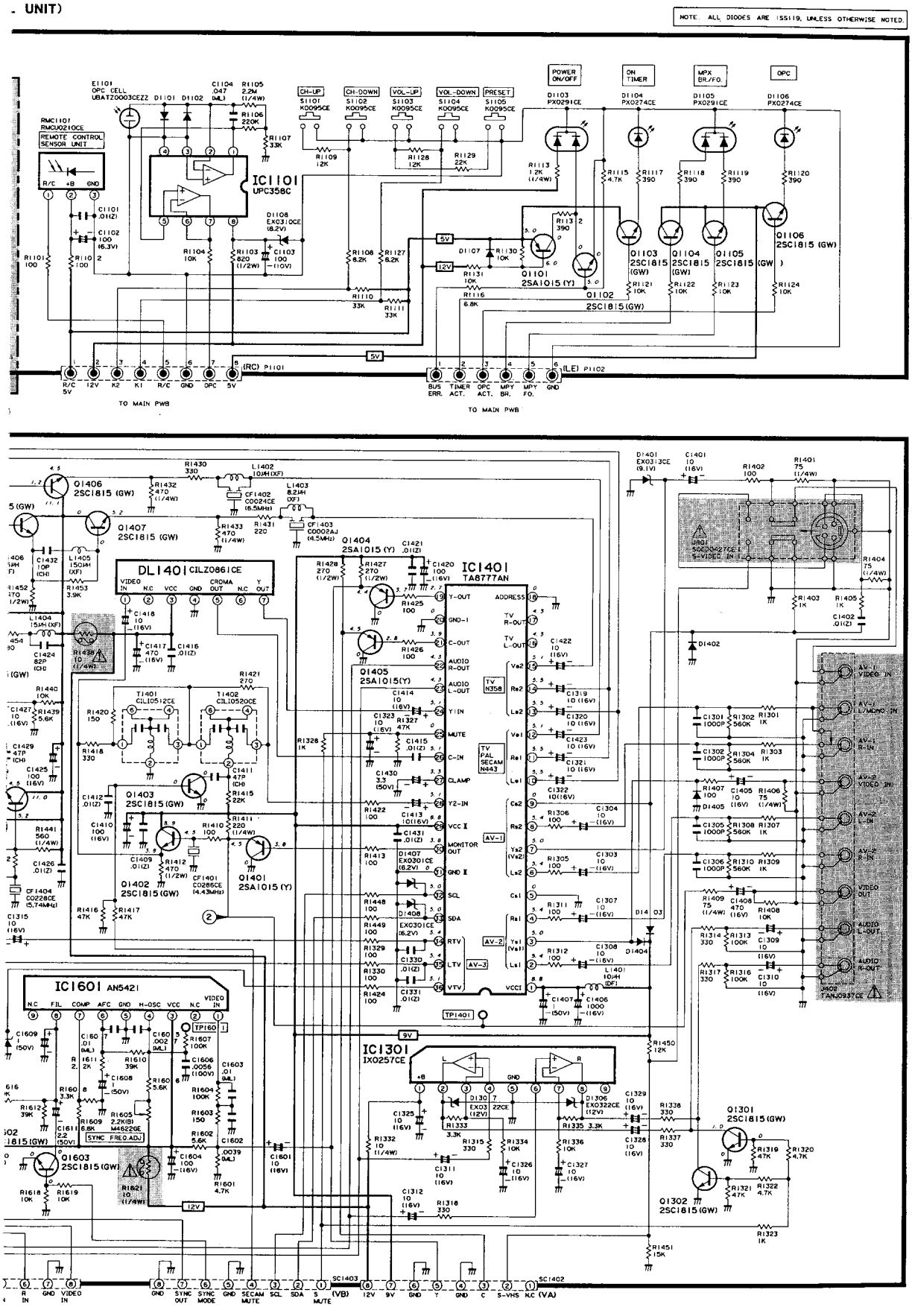


PWB–D (VCJ UNIT)
DUNTK8554WEV2



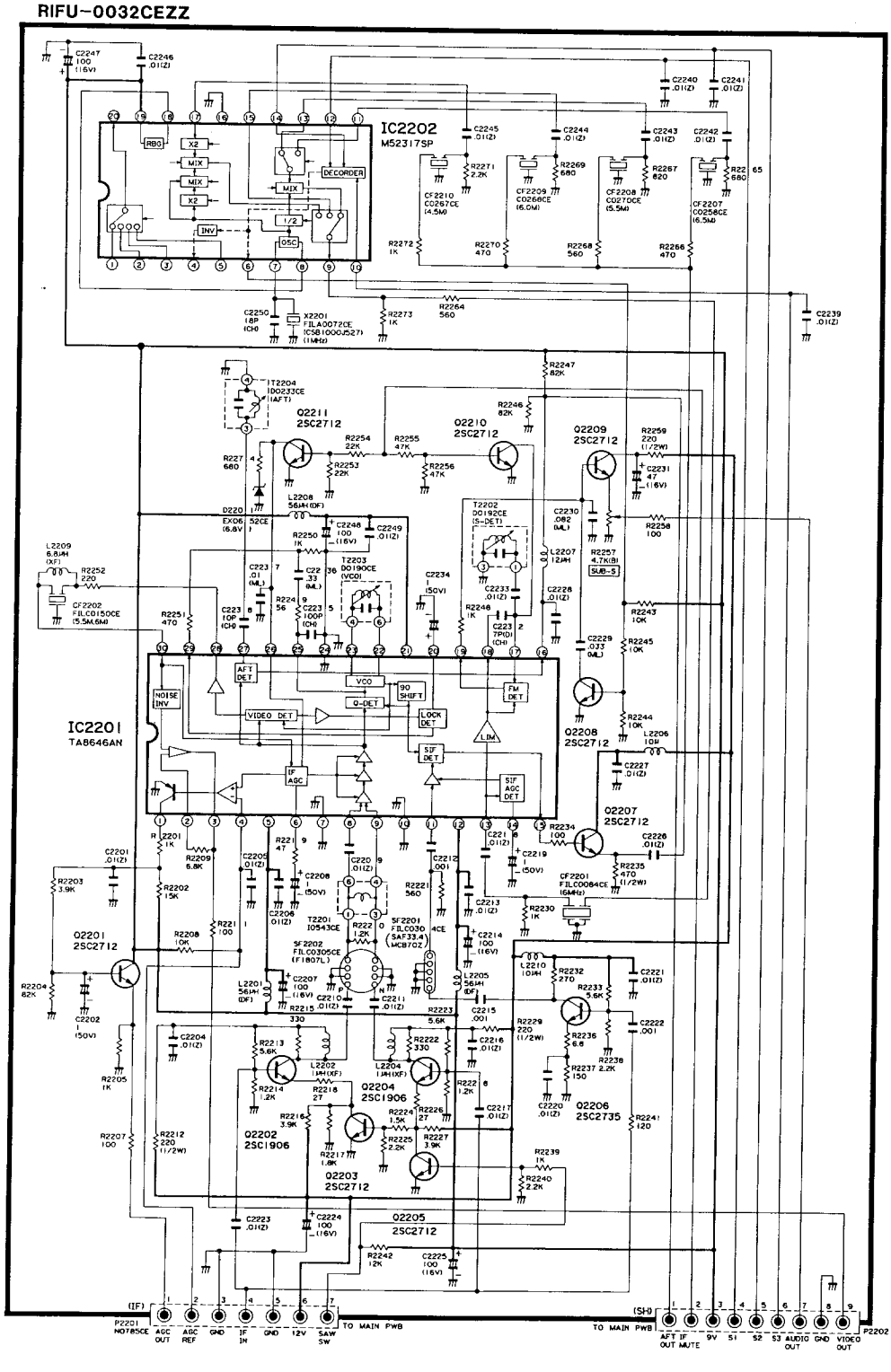
CAUTION: This circuit diagram is original one, therefore there may be a slight difference from yours.

. UNIT)

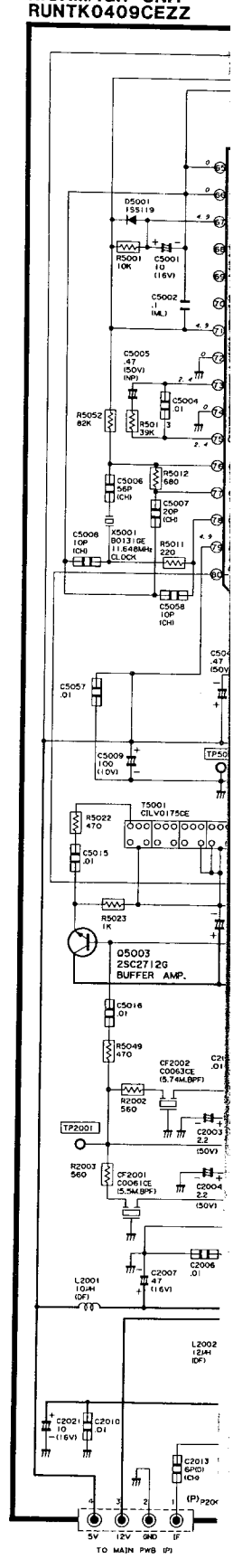


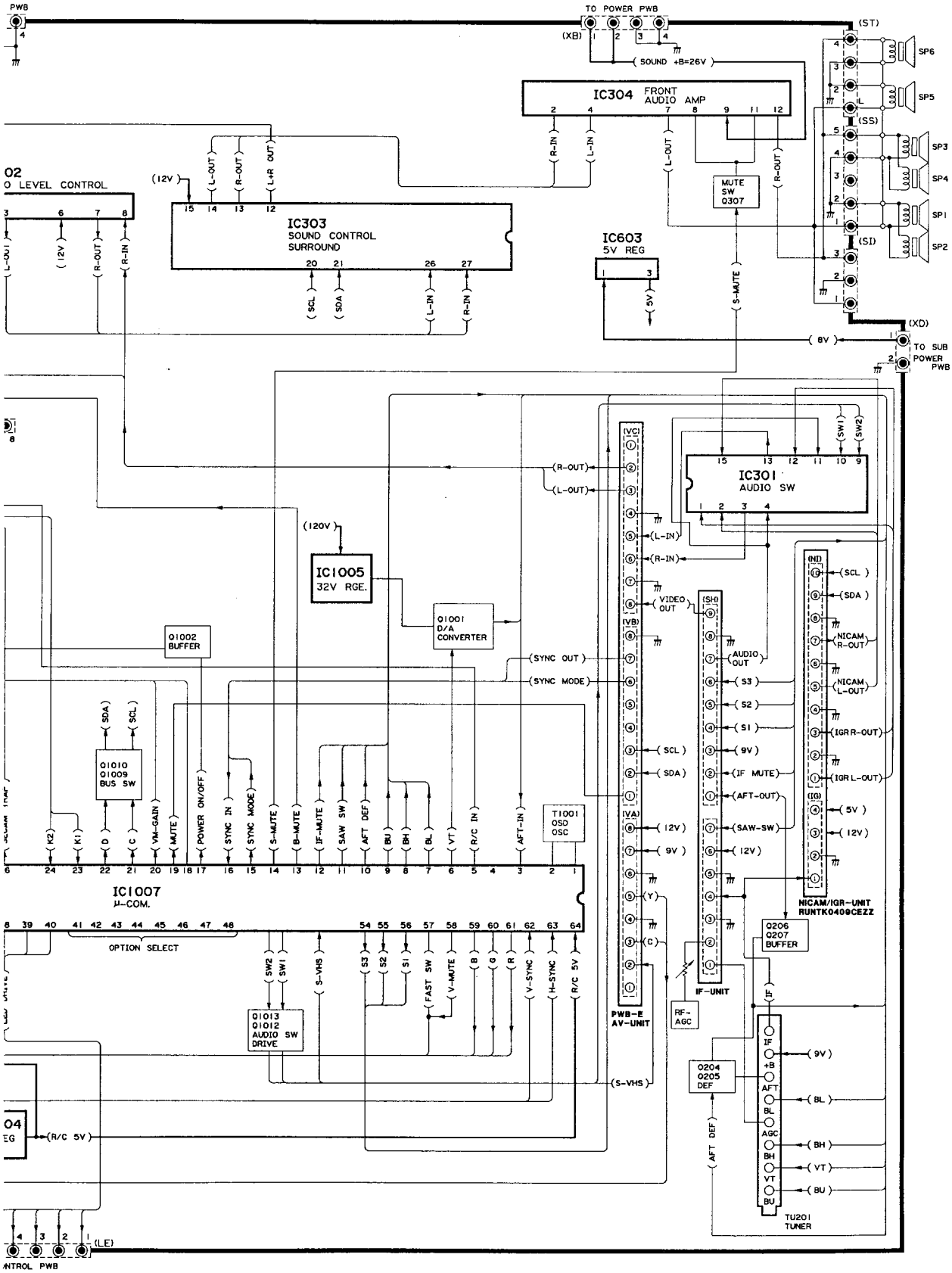
SCHEMATIC DIAGRAM ■ IF and NICAM/IGR Unit

IF-UNIT
RIFU-0032CEZZ



NICAM/IGR-UNIT
RUNTK0409CEZZ

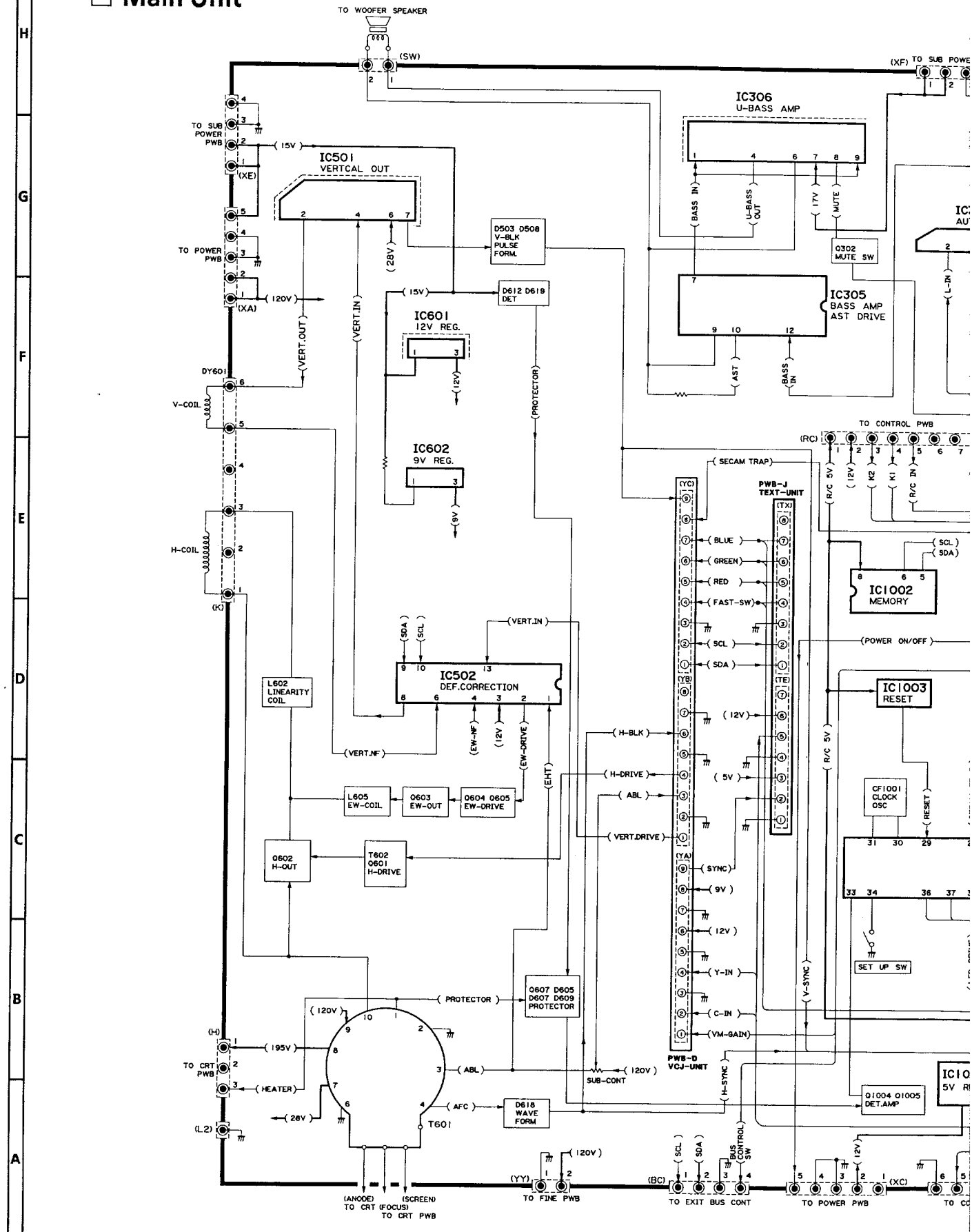



PWB
TO POWER PWB
(XB)
SOUND +B=26V
IC304 FRONT AUDIO AMP
(ST)
SP6
SP5
(SS)
SP3
SP4
SP1
SP2
(SI)
MUTE SW Q307
IC303 SOUND CONTROL SURROUND
IC603 5V REG
(12V)
L-OUT
R-OUT
L+R OUT
R-IN
L-IN
S-MUTE
SCL
SDA
5V
8V
(XD)
TO SUB POWER PWB
IC301 AUDIO SW
(SW1)
(SW2)
(VC)
(VB)
(VA)
(SH)
(NI)
(IG)
VIDEO OUT
AUDIO OUT
S3
S2
S1
9V
IF MUTE
AFT-OUT
SAW-SW
12V
5V
NICAM R-OUT
NICAM L-OUT
IGR R-OUT
IGR L-OUT
NICAM/IGR-UNIT RUNTK0409CEZZ
IC1005 32V RGE.
Q1001 D/A CONVERTER
Q1002 BUFFER
SYNC OUT
SYNC MODE
Q1010 Q1009 BUS SW
T1001 OSD OSC
IC1007 μ-COM.
OPTION SELECT
Q1013 Q1012 AUDIO SW DRIVE
PWB-E AV-UNIT
IF-UNIT
RF-AGC
Q206 Q207 BUFFER
Q204 Q205 DEF
AFT DEF
TU201 TUNER
R/C 5V
(LE)

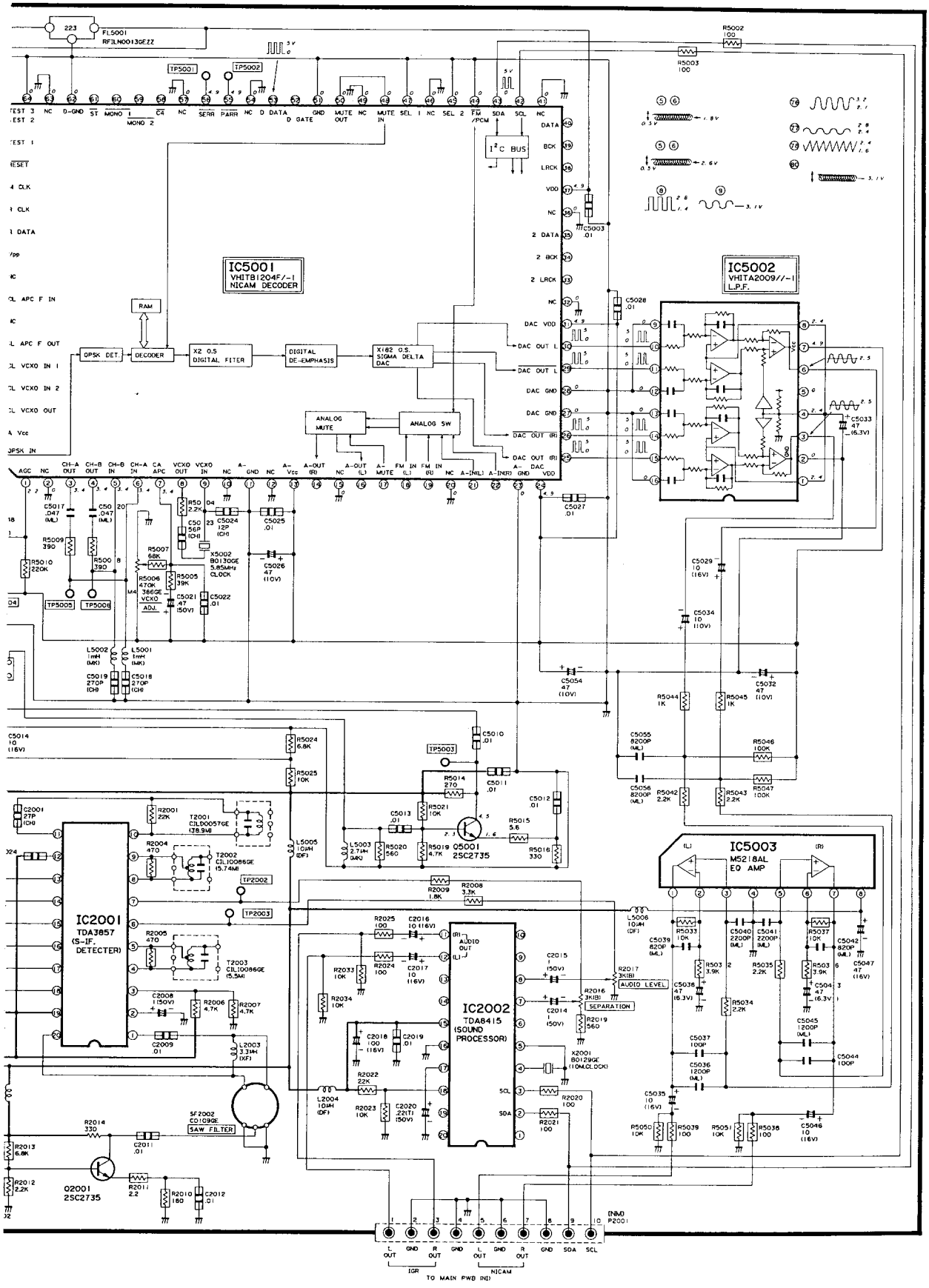
7	8	9	10	11	12

BLOCK DIAGRAM:

☐ Main Unit



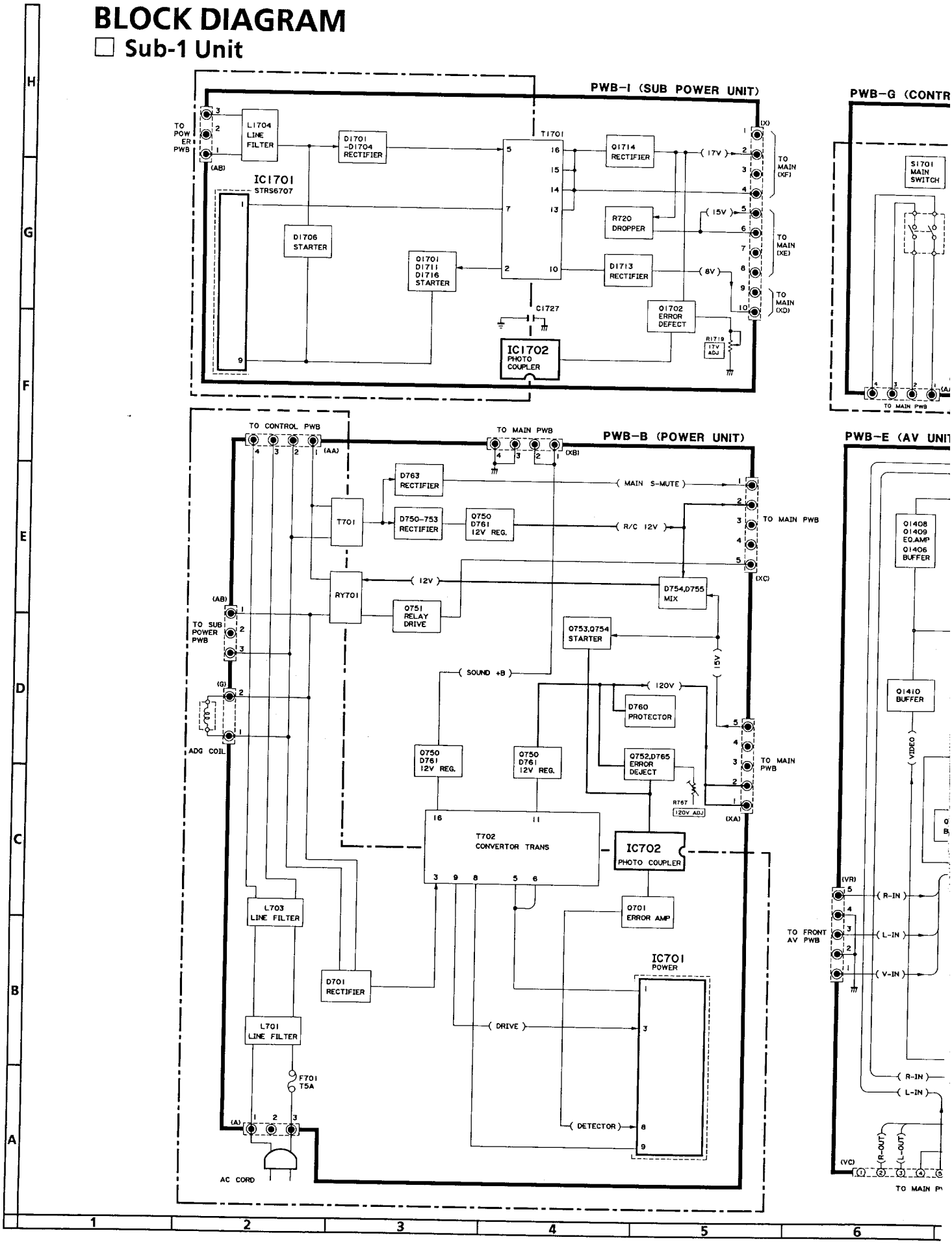
CAUTION: This circuit diagram is original one, therefore there may be a slight difference from yours.



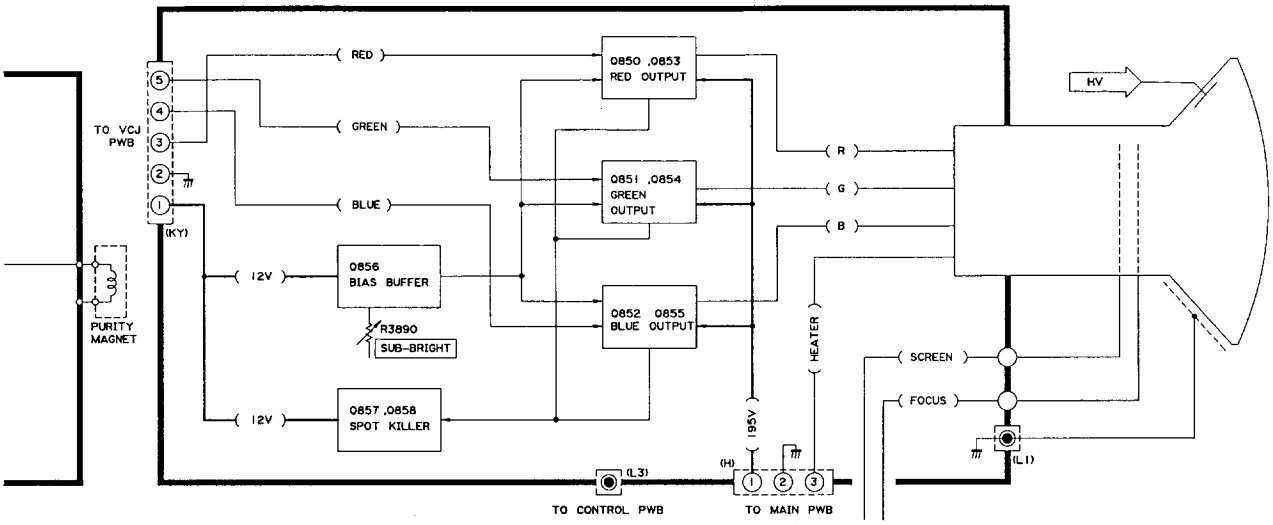
7	8	9	10	11	12

BLOCK DIAGRAM

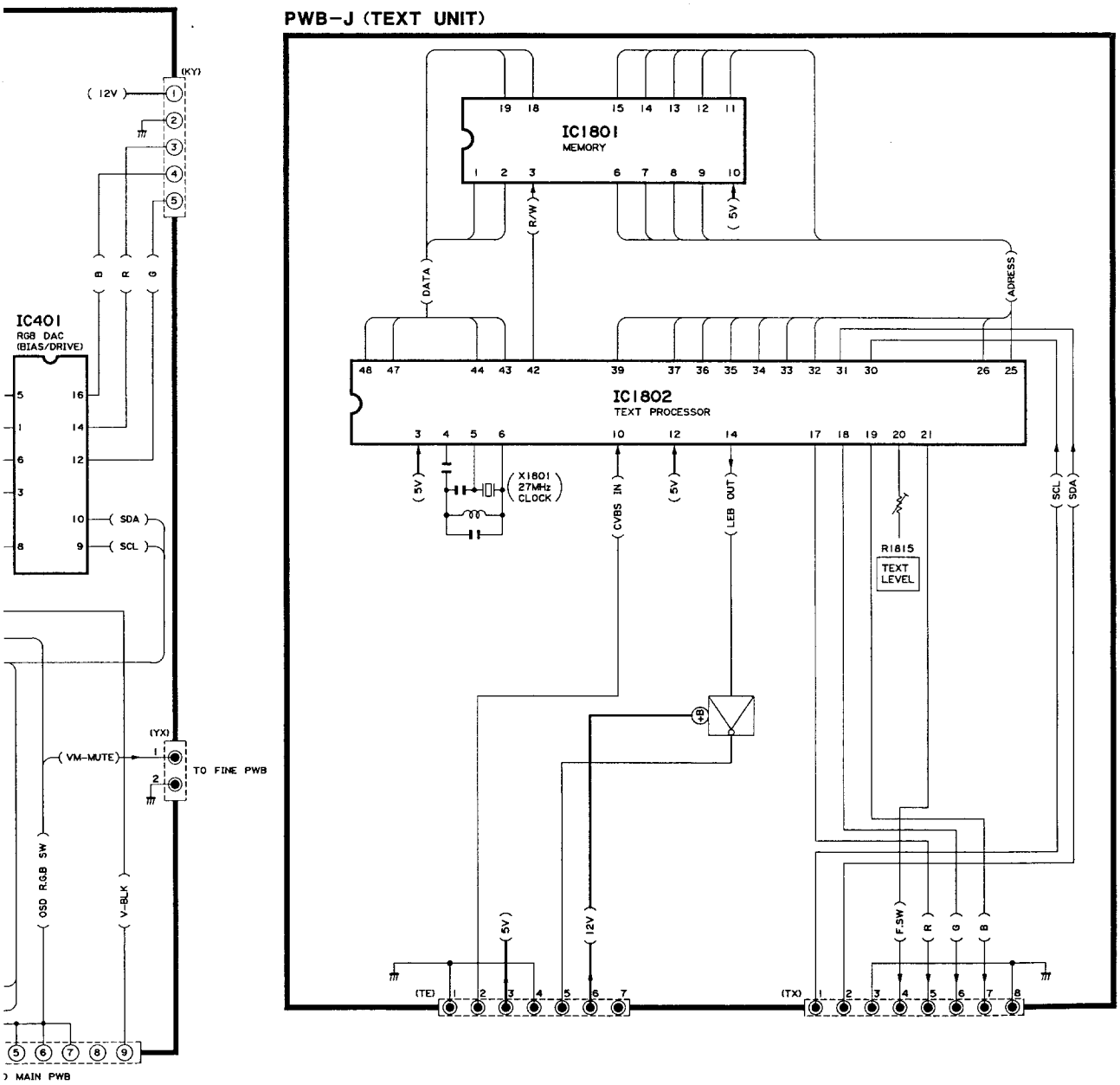
☐ Sub-1 Unit



PWB-C (CRT UNIT)

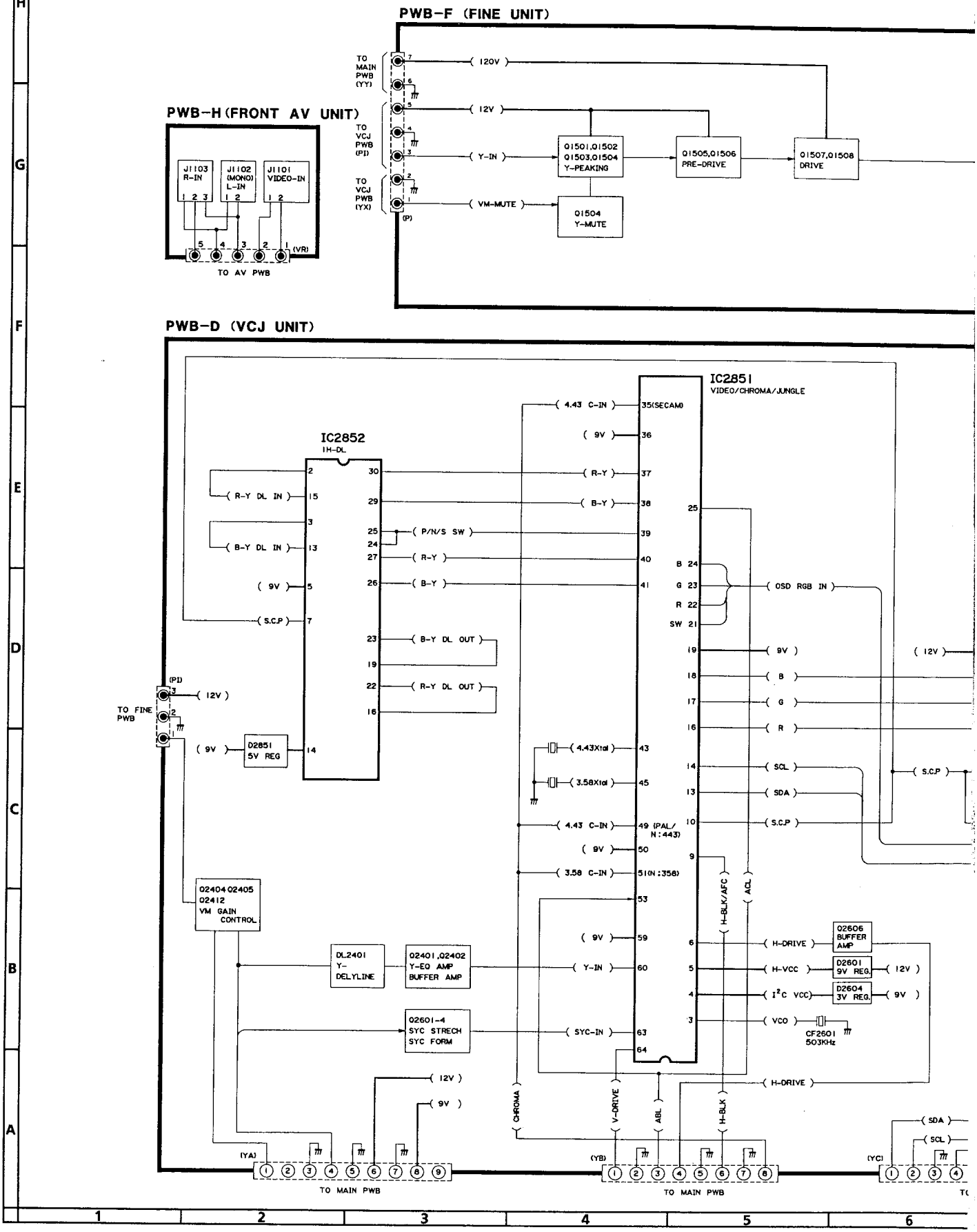


PWB-J (TEXT UNIT)

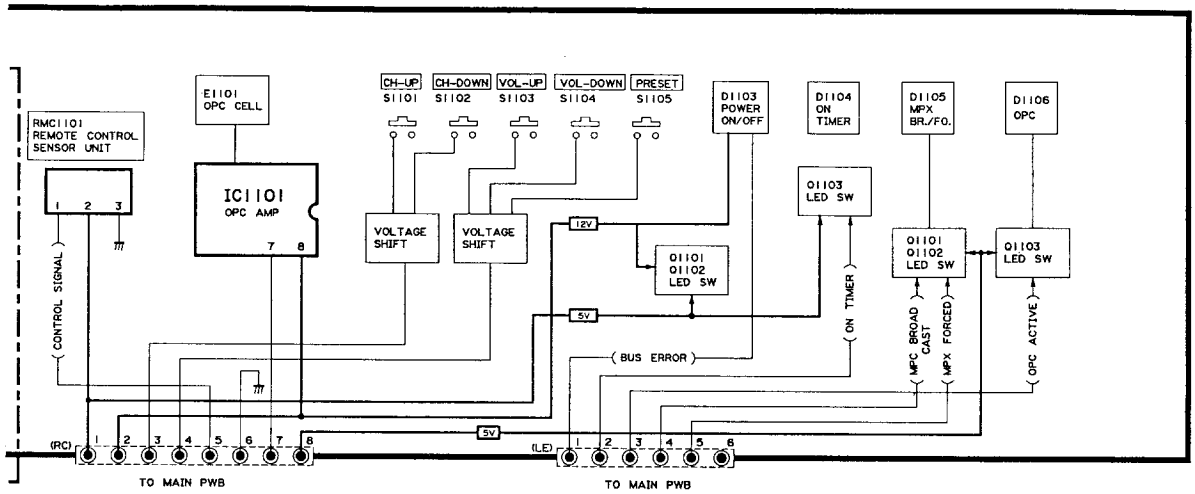


BLOCK DIAGRAM

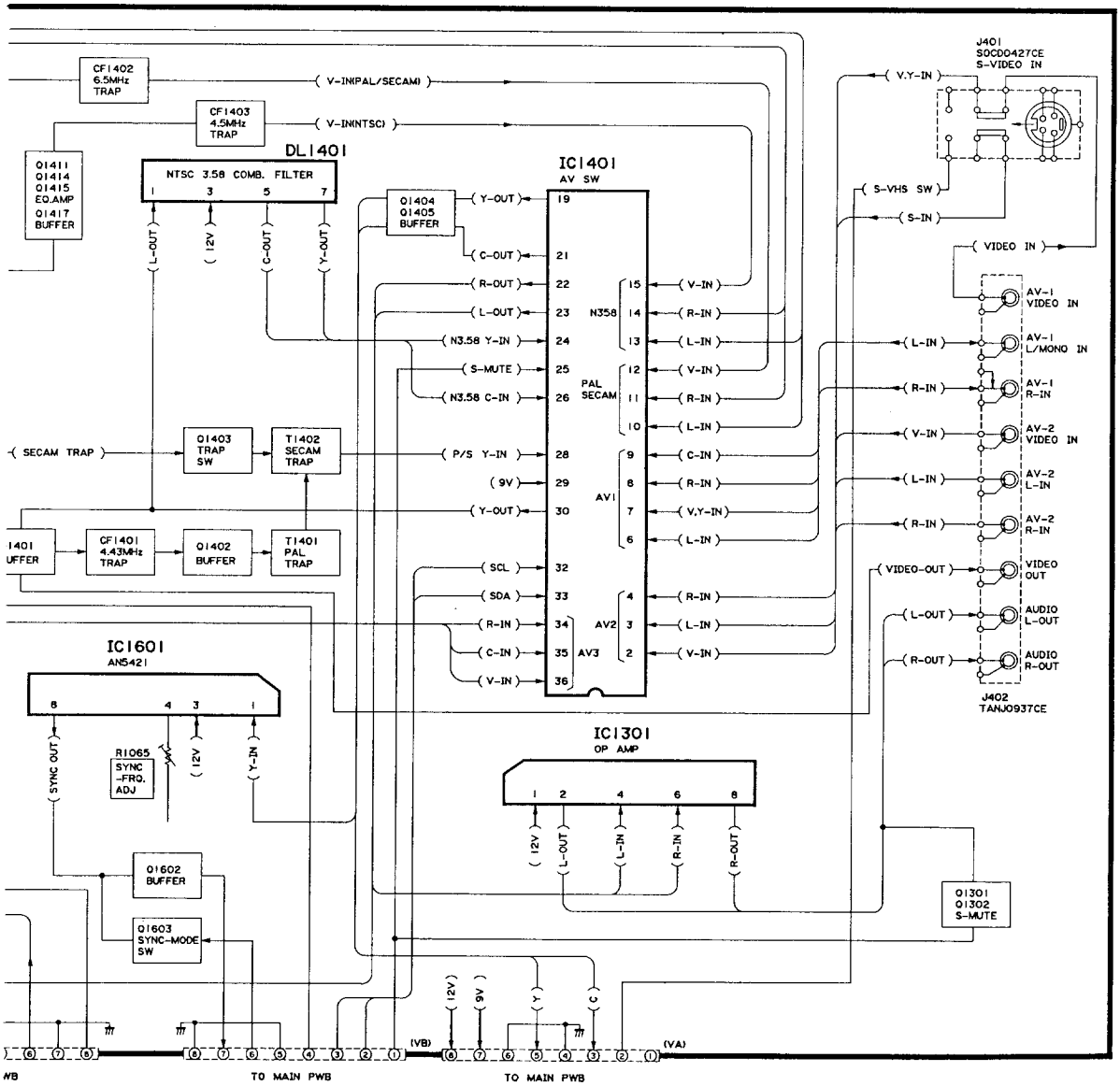
☐ Sub-2 Unit



L UNIT)


RMC1101
REMOTE CONTROL
SENSOR UNIT
E1101
OPC CELL
IC1101
OPC AMP
CH-UP S1101
CH-DOWN S1102
VOL-UP S1103
VOL-DOWN S1104
PRESET S1105
VOLTAGE SHIFT
VOLTAGE SHIFT
D1103 POWER ON/OFF
D1104 ON TIMER
D1105 MPX BR./FO.
D1106 OPC
Q1103 LED SW
Q1101 Q1102 LED SW
Q1101 Q1102 LED SW
Q1103 LED SW
12V
5V
CONTROL SIGNAL
BUS ERROR
ON TIMER
MPX BROAD CAST
MPX FORCED
OPC ACTIVE
(RC)
(LE)
TO MAIN PWB
TO MAIN PWB

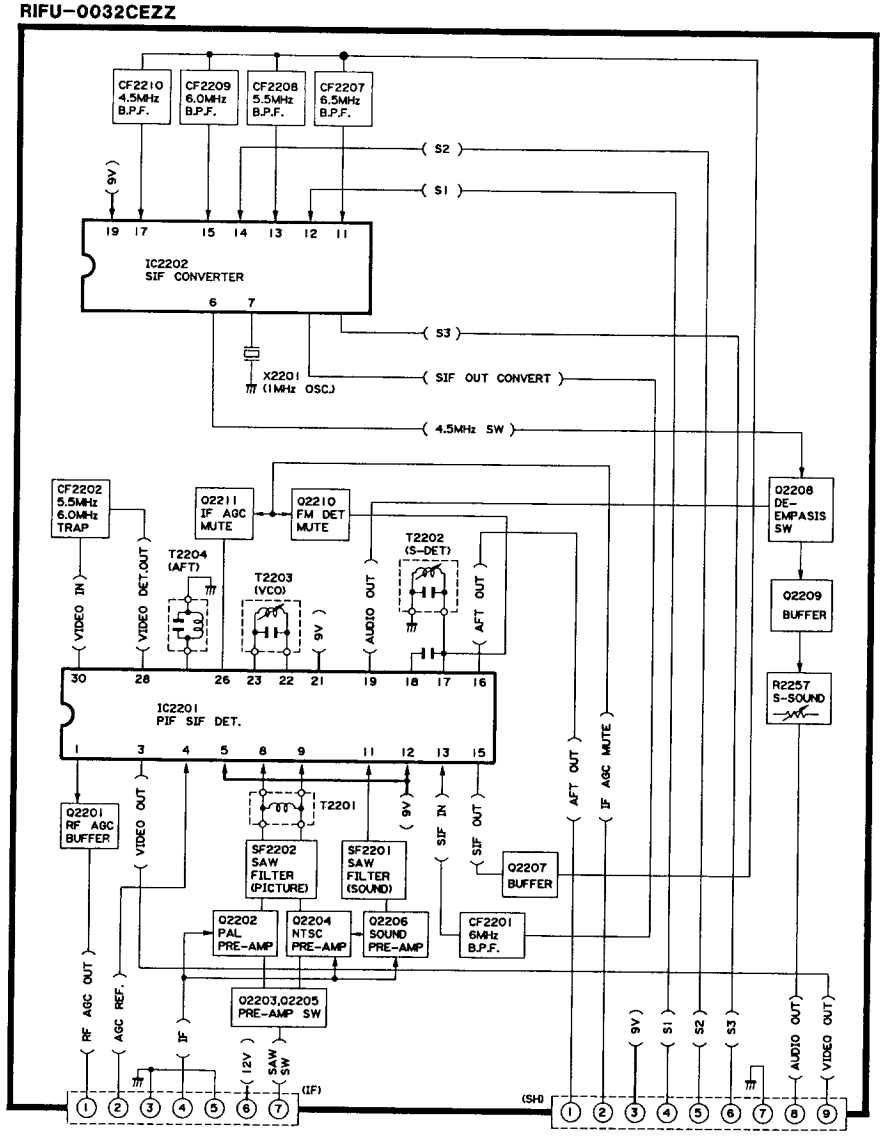
)


CF1402 6.5MHz TRAP
V-IN(PAL/SECAM)
CF1403 4.5MHz TRAP
V-IN(NTSC)
Q1411 Q1414 Q1415 EQ.AMP
Q1417 BUFFER
DL1401
NTSC 3.58 COMB. FILTER
IC1401
AV SW
Q1404 Q1405 BUFFER
L-OUT
12V
C-OUT
Y-OUT
Y-OUT
C-OUT
R-OUT
L-OUT
N3.58 Y-IN
S-MUTE
N3.58 C-IN
P/S Y-IN
9V
Y-OUT
SCL
SDA
R-IN
C-IN
V-IN
N358
PAL SECAM
AV1
AV2
AV3
V-IN
R-IN
L-IN
C-IN
V,Y-IN
SECAM TRAP
Q1403 TRAP SW
T1402 SECAM TRAP
CF1401 4.43MHz TRAP
Q1402 BUFFER
T1401 PAL TRAP
IC1601
AN5421
SYNC OUT
R1065 SYNC -FRQ. ADJ
12V
Y-IN
Q1602 BUFFER
Q1603 SYNC-MODE SW
IC1301
OP AMP
12V
L-OUT
L-IN
R-IN
R-OUT
Q1301 Q1302 S-MUTE
J401
SOCD0427CE
S-VIDEO IN
V,Y-IN
S-VHS SW
S-IN
VIDEO IN
AV-1 VIDEO IN
AV-1 L/MONO IN
AV-1 R-IN
AV-2 VIDEO IN
AV-2 L-IN
AV-2 R-IN
VIDEO OUT
AUDIO L-OUT
AUDIO R-OUT
J402
TANJ0937CE
VIDEO-OUT
L-OUT
R-OUT
12V
9V
Y
C
(VB)
(VA)
TO MAIN PWB
TO MAIN PWB

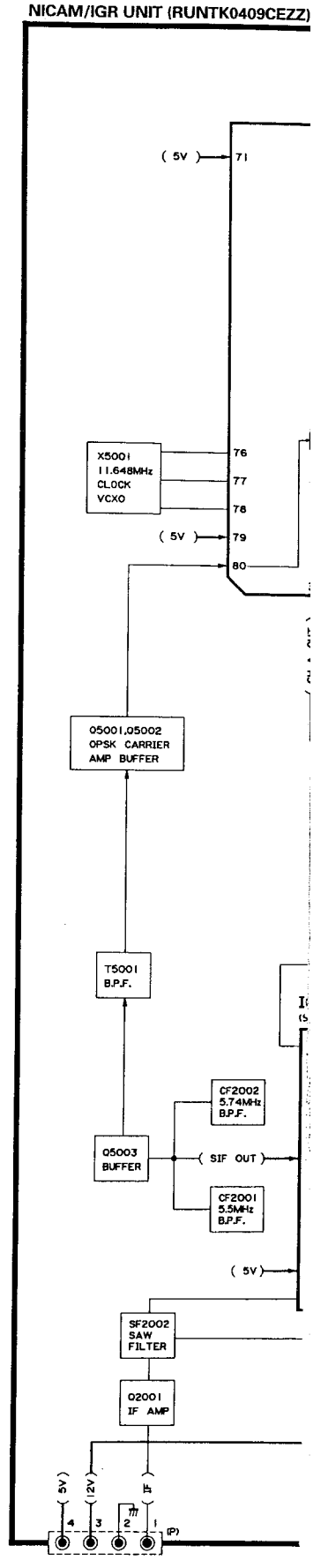
BLOCK DIAGRAM

☐ IF and NICAM/IGR Unit

IF-UNIT
RIFU-0032CEZZ



NICAM/IGR UNIT (RUNTK0409CEZZ)



PWB-A DUNTK8550WEV6/V2
MAIN UNIT (Continued)

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q201	VS2SA1015Y/1E	J	2SA1015(Y)	AC
Q202	VS2SA1015Y/1E	J	2SA1015(Y)	AC
Q203	VS2SA1015Y/1E	J	2SA1015(Y)	AC
Q204	VS2SC1815GW-1	J	2SC1815(GW)	AB
Q205	VS2SC1815GW-1	J	2SC1815(GW)	AB
Q206	VS2SC1815GW-1	J	2SC1815(GW)	AB
Q207	VS2SA1015Y/1E	J	2SA1015(Y)	AC
Q301	VS2SC1815GW-1	J	2SC1815(GW)	AB
Q302	VS2SC1815GW-1	J	2SC1815(GW)	AB
Q601	VS2SC3328Y/1E	J	2SC3328Y	AD
⚠ Q602	VS2SC3886A/1E	J	2SC3886A	AP
⚠ Q603	VS2SC3851A/-1	J	2SC3851A	AD
Q604	VS2SA1015Y/1E	J	2SA1015(Y)	AC
Q605	VS2SC1815GW-1	J	2SC1815(GW)	AB
⚠ Q606	VS2SA1015Y/1E	J	2SA1015(Y)	AC
⚠ Q607	VS2SC1815GW-1	J	2SC1815(GW)	AB
Q1001	VS2SC383-WT-1	J	2SC383-WT	AE
Q1002	VS2SC1815GW-1	J	2SC1815(GW)	AB
Q1003	VS2SC1815GW-1	J	2SC1815(GW)	AB
⚠ Q1004	VS2SA1015Y/1E	J	2SA1015(Y)	AC
⚠ Q1005	VS2SA1015Y/1E	J	2SA1015(Y)	AC
Q1006	VS2SC1815GW-1	J	2SC1815(GW)	AB
Q1007	VS2SC1815GW-1	J	2SC1815(GW)	AB
Q1008	VS2SC1815GW-1	J	2SC1815(GW)	AB
Q1009	VS2SK583///-1	J	2SK583	AE
Q1010	VS2SK583///-1	J	2SK583	AE
Q1012	VS2SC1815GW-1	J	2SC1815(GW)	AB
Q1013	VS2SC1815GW-1	J	2SC1815(GW)	AB

DIODES

Ref. No.	Part No.	★	Description	Code
D201	VHD1SS119//1E	J	1SS119	AA
D202	VHD1SS119//1E	J	1SS119	AA
D203	RH-EX0289CEZZ	J	Zener Diode, 4.5V	AA
D301	RH-EX0301CEZZ	J	Zener Diode, 6.2V	AA
D302	RH-EX0301CEZZ	J	Zener Diode, 6.2V	AA
D303	VHD1SS119//1E	J	1SS119	AA
D304	VHD1SS119//1E	J	1SS119	AA
D305	VHD1SS119//1E	J	1SS119	AA
D306	VHD1SS119//1E	J	1SS119	AA
D307	RH-EX0695GEZZ	J	Zener Diode, 30V	AB
D308	RH-EX0695GEZZ	J	Zener Diode, 30V	AB
D309	VHD1SS119//1E	J	1SS119	AA
D310	VHD1SS119//1E	J	1SS119	AA
D311	VHD1SS119//1E	J	1SS119	AA
D312	VHD1SS119//1E	J	1SS119	AA
D501	RH-EX0301CEZZ	J	Zener Diode, 6.2V	AA
D502	RH-EX0301CEZZ	J	Zener Diode, 6.2V	AA
D503	RH-EX0301CEZZ	J	Zener Diode, 6.2V	AA
D504	RH-DX0279CEZZ	J		AB
D506	RH-EX0301CEZZ	J	Zener Diode, 6.2V	AA
D507	VHD1SS119//1E	J	1SS119	AA

DIODES (Continued)

Ref. No.	Part No.	★	Description	Code
D508	VHD1SS119//1E	J	1SS119	AA
⚠ D601	RH-DX0255CEZZ	J		AC
⚠ D602	RH-DX0229CEZZ	J		AF
D603	RH-DX0302CEZZ	J		AC
D604	RH-DX0127CEZZ	J		AC
D605	RH-DX0130CEZZ	J		AE
D606	VHD1SS119//1E	J	1SS119	AA
⚠ D607	RH-EX0336CEZZ	J	Zener Diode, 20V	AA
D608	RH-DX0279CEZZ	J		AB
⚠ D609	VHD1SS119//1E	J	1SS119	AA
D612	RH-EX0301CEZZ	J	Zener Diode, 6.2V	AA
D613	VHD1SS119//1E	J	1SS119	AA
D614	VHD1SS119//1E	J	1SS119	AA
D615	VHD1SS119//1E	J	1SS119	AA
D616	VHD1SS119//1E	J	1SS119	AA
D617	VHD1SS119//1E	J	1SS119	AA
D618	RH-EX0313CEZZ	J	Zener Diode, 9.1V	AA
D619	VHD1SS119//1E	J	1SS119	AA
D801	VHD1SS119//1E	J	1SS119	AA
D802	VHD1SS119//1E	J	1SS119	AA
D803	VHD1SS119//1E	J	1SS119	AA
D804	VHD1SS119//1E	J	1SS119	AA
D1001	VHD1SS119//1E	J	1SS119	AA
D1002	RH-EX0301CEZZ	J	Zener Diode, 6.2V	AA
D1003	RH-EX0301CEZZ	J	Zener Diode, 6.2V	AA
D1004	VHD1SS119//1E	J	1SS119	AA
D1005	RH-EX0325CEZZ	J	Zener Diode, 13V	AA
D1006	RH-EX0325CEZZ	J	Zener Diode, 13V	AA
D1007	RH-EX0325CEZZ	J	Zener Diode, 13V	AA
D1008	RH-EX0325CEZZ	J	Zener Diode, 13V	AA
D1009	RH-EX0325CEZZ	J	Zener Diode, 13V	AA
D1010	RH-EX0325CEZZ	J	Zener Diode, 13V	AA
D1011	RH-EX0325CEZZ	J	Zener Diode, 13V	AA
D1012	RH-EX0325CEZZ	J	Zener Diode, 13V	AA
D1013	RH-EX0301CEZZ	J	Zener Diode, 6.2V	AA
D1014	RH-EX0301CEZZ	J	Zener Diode, 6.2V	AA
D1015	RH-EX0301CEZZ	J	Zener Diode, 6.2V	AA
D1016	VHD1SS119//1E	J	1SS119	AA
D1017	VHD1SS119//1E	J	1SS119	AA
D1018	VHD1SS119//1E	J	1SS119	AA
D1019	VHD1SS119//1E	J	1SS119	AA
D1020	VHD1SS119//1E	J	1SS119	AA
D1021	VHD1SS119//1E	J	1SS119	AA
D1022	VHD1SS119//1E	J	1SS119	AA
D1023	RH-EX0325CEZZ	J	Zener Diode, 13V	AA
D1024	RH-EX0301CEZZ	J	Zener Diode, 6.2V	AA
D1025	RH-EX0301CEZZ	J	Zener Diode, 6.2V	AA
D1026	RH-EX0301CEZZ	J	Zener Diode, 6.2V	AA
D1027	RH-EX0301CEZZ	J	Zener Diode, 6.2V	AA
D1028	RH-EX0301CEZZ	J	Zener Diode, 6.2V	AA
D1029	RH-EX0301CEZZ	J	Zener Diode, 6.2V	AA
D1030	RH-EX0301CEZZ	J	Zener Diode, 6.2V	AA
D1031	RH-EX0301CEZZ	J	Zener Diode, 6.2V	AA
D1032	RH-EX0301CEZZ	J	Zener Diode, 6.2V	AA
D1033	RH-EX0301CEZZ	J	Zener Diode, 6.2V	AA

PARTS LIST

PARTS REPLACEMENT

Replacement parts which have these special safety characteristics identified in this manual: electrical components having such features are identified by "⚠" in the Replacement Parts Lists.
The use of a substitute replacement part which does not have the same safety characteristics as the factory recommended replacement parts shown in this service manual may create shock, fire or other hazards.

"HOW TO ORDER REPLACEMENT PARTS"

To have your order filled promptly and correctly, please furnish the following informations.

1. MODEL NUMBER
2. REF. NO.
3. PART NO.
4. DESCRIPTION
5. CODE
6. QUANTITY

MARK ★: SPARE PARTS-DELIVERY SECTION.

Ref. No.	Part No.	★	Description	Code

PICTURE TUBE

MODEL 25FX5

⚠ V101	VB59KWV61X/*S	R	CRT, 59 cm (25 inch)	CS
⚠ DY601	RCiLH0099PEZZ	R	Deflection Yoke	BR
⚠	RCiLG0044PEZZ	R	Degaussing (ADG) Coil	AX
	PSPAG0003PEZZ	R	Wedge, Rubber, ×3 used	AD
	QEARC2501PEZZ	R	Wire, Grounding Strap	AK
	PMAGG3002CEZZ	J	Correction Magnet ×2 used	AC

MODEL 29FX5

⚠ V101	VB68KXD130X*S	R	CRT, 68 cm (29 inch)	DE
⚠ DY601	RCiLH1791CEZZ	R	Deflection Yoke	BR
⚠	RCiLG0045PEZZ	R	Degaussing (ADG) Coil	AY
	PSPAG0003PEZZ	R	Wedge, Rubber, ×3 used	AD
	QEARC2901PEZZ	R	Wire, Grounding Strap	AK
	PMAGG3002CEZZ	J	Correction Magnet ×2 used	AC

—— End of PICTURE TUBE ——

ASSEMBLY UNIT

	RUNTK0409CEZZ	J	NICAM/IGR Unit	BR

—— End of ASSEMBLY UNIT ——

Ref. No.	Part No.	★	Description	Code

PRINTED WIRING BOARD ASSEMBLIES
(*NOT REPLACEMENT ITEM*)

PWB-A	DUNTK8550WEV6	–	Main Unit, (25FX5) with IF and NICAM Units	—
PWB-A	DUNTK8550WEV2	–	Main Unit, (29FX5) with IF and NICAM Units	—
PWB-B	DUNTK8553WEV1	–	Power Unit	—
PWB-C	DUNTK8549WEV1	–	CRT Socket Unit, (25FX5)	—
PWB-C	DUNTK8549WEV0	–	CRT Socket Unit, (29FX5)	—
PWB-D	DUNTK8554WEV2	–	VCJ Unit	—
PWB-E	DUNTK8556WEV0	–	AV Unit	—
PWB-F	DUNTK8555WEV0	–	Fine Unit	—
PWB-G	DUNTK8551WEV0	–	Control Unit	—
PWB-H	DUNTK8552WEV0	–	Front AV Unit	—
PWB-I	DUNTK8557WEV1	–	Sub-Power Unit	—
PWB-J	DUNTK8558WEV0	–	TEXT Unit	—

—— End of P.W.B. ASSEMBLIES ——

PWB-A DUNTK8550WEV6/V2
MAIN UNIT

TUNER

NOTE: THE PARTS HERE SHOWN ARE SUPPLIED AS AN ASSEMBLY BUT NOT INDEPENDENTLY.

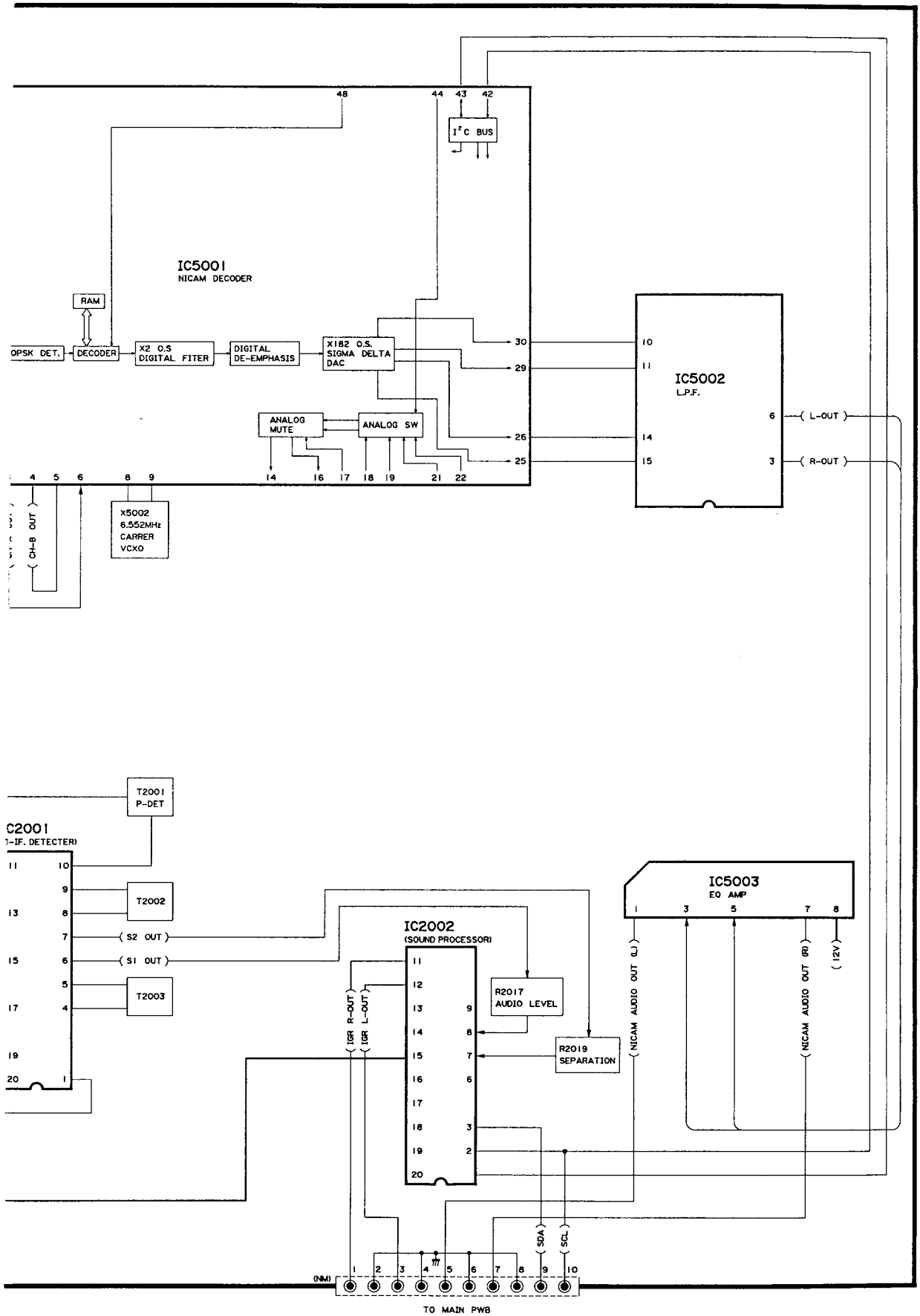
⚠ TU201	VTUVTSH6HD04/	J	Tuner, VHF/UHF	BG

ASSEMBLY UNIT

	RiFU-0032CEZZ	J	IF Unit	BN

INTEGRATED CIRCUITS

IC301	VHiHEF4052B-1	R		AG
IC302	VHiBA3308//-1	J		AG
IC303	VHiUPC1853C-1	J		AX
IC304	VHiTA8216H/-1	J		AN
IC305	VHiNJM2058D-1	J		AG
IC306	VHiDA1519AQ-1	J		AN
IC501	VHiTA8427K/-1	J		AL
IC502	VHiTA8859BP-1	J		AT
IC601	VHiTA7812S/-1	J		AD
IC602	VHiTA7809S/-1	J		AE
IC603	VHiTA7805S/-1	J		AD
IC1001	RH-iX2523CEN2	R		BF
IC1002	VHiST24C04/-1	R		AQ
IC1003	VHiPST529C2-1	J		AD
IC1004	VHiUPC78L05-4	J		AD
IC1005	R-iX0249CEZZ	J		AE


IC5001
NICAM DECODER
RAM
DECODER
OPSK DET.
X2 O.S
DIGITAL FITER
DIGITAL
DE-EMPHASIS
X182 O.S.
SIGMA DELTA
DAC
I²C BUS
ANALOG
MUTE
ANALOG SW
CH-B OUT
X5002
6.552MHz
CARRER
VCXO
IC5002
L.P.F.
L-OUT
R-OUT
T2001
P-DET
T2002
T2003
S2 OUT
S1 OUT
IC2002
(SOUND PROCESSOR)
IGR R-OUT
IGR L-OUT
R2017
AUDIO LEVEL
R2019
SEPARATION
IC5003
EQ AMP
NICAM AUDIO OUT (L)
NICAM AUDIO OUT (R)
12V
SDA
SCL
TO MAIN PWB

PWB-A DUNTK8550WEV6/V2
MAIN UNIT (Continued)

DIODES (Continued)

Ref. No.	Part No.	★	Description	Code
D1034	RH-EX0301CEZZ	J	Zener Diode, 6.2V	AA
D1035	RH-EX0301CEZZ	J	Zener Diode, 6.2V	AA
D1036	RH-EX0301CEZZ	J	Zener Diode, 6.2V	AA
D1037	RH-EX0301CEZZ	J	Zener Diode, 6.2V	AA
D1038	RH-EX0301CEZZ	J	Zener Diode, 6.2V	AA
D1039	RH-EX0301CEZZ	J	Zener Diode, 6.2V	AA
D1040	VHD1SS119//1E	J	1SS119	AA
D1041	VHD1SS119//1E	J	1SS119	AA
D1042	VHD1SS119//1E	J	1SS119	AA
D1043	VHD1SS119//1E	J	1SS119	AA
⚠ D1044	VHD1SS119//1E	J	1SS119	AA
D1045	VHD1SS119//1E	J	1SS119	AA
D1046	RH-EX0301CEZZ	J	Zener Diode, 6.2V	AA
D1047	RH-EX0301CEZZ	J	Zener Diode, 6.2V	AA
D1048	VHD1SS119//1E	J	1SS119	AA
D1052	VHD1SS119//1E	J	1SS119	AA
D1053	RH-EX0301CEZZ	J	Zener Diode, 6.2V	AA
D1054	RH-EX0301CEZZ	J	Zener Diode, 6.2V	AA
D1056	VHD1SS119//1E	J	1SS119	AA
D1057	VHD1SS119//1E	J	1SS119	AA
D1058	RH-EX0301CEZZ	J	Zener Diode, 6.2V	AA
D1059	RH-EX0301CEZZ	J	Zener Diode, 6.2V	AA
D1060	RH-EX0301CEZZ	J	Zener Diode, 6.2V	AA
D1061	RH-EX0301CEZZ	J	Zener Diode, 6.2V	AA
D1062	RH-EX0301CEZZ	J	Zener Diode, 6.2V	AA
D1063	RH-EX0301CEZZ	J	Zener Diode, 6.2V	AA
D1064	RH-EX0325CEZZ	J	Zener Diode, 13V	AA

COIL AND TRANSFORMERS

Ref. No.	Part No.	★	Description	Code
CF1001	RFiLC0112GEZZ	J		AC
L201	VP-DF270K0000	J	Coil, 27μH	AB
L202	VP-DF680K0000	J	Coil, 68μH	AB
L301	VP-DF120K0000	J	Coil, 12μH	AB
L501	VP-DF101K0000	J	Coil, 100μH	AB
L601	RCiLP0087CEZZ	J		AE
L602	RCiLZ0822CEZZ	J	Coil	AL
L605	RCiLZ0720CEZZ	J	Coil	AL
L606	VP-CF390K0000	J	Coil, 39μH	AB
L607	RCiLP0106CEZZ	J	Coil	AE
L608	RCiLP0106CEZZ	J	Coil	AE
L1001	VP-XF120K0000	J	Coil, 12μH	AB
L1002	VP-XF1R0K0000	J	Coil, 1μH	AB
L1003	VP-DF101K0000	J	Coil, 100μH	AB
⚠ T601	RTRNF0104PEZZ	R	Flyback Trans. (FBT)	BH
⚠ T602	RTRNZ0343CEZZ	J	Horizontal Drive Trans.	AG
T1001	RCiLB0105CEZZ	J	OSD Adj, Coil	AE

CONTROLS

Ref. No.	Part No.	★	Description	Code
R218	RVR-M4624GEZZ	J	4.7k(B) RF-AGC	AB
R622	RVR-M4634GEZZ	J	220k(B)Sub-Contrast	AB

CAPACITORS

Ref. No.	Part No.	★				Code
C201	VCEAGA1CW108M	J	1000	16V	Electrolytic	AD
C202	VCEACA1HC475M	J	4.7	50V	Electrolytic	AC
C203	VCQYTA1HM104J	J	0.1	50V	My;ar	AA
C204	VCEACA1HC475M	J	4.7	50V	Electrolytic	AC
C205	VCKYPA1HF103Z	J	0.01	50V	Ceramic	AA
C206	VCEACA1HC475M	J	4.7	50V	Electrolytic	AC
C207	VCEAGA1HW105M	J	1	50V	Electrolytic	AC
C208	VCEAGA1CW476M	J	47	16V	Electrolytic	AB
C222	VCKYPA1HF103Z	J	0.01	50V	Ceramic	AA
C301	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
C302	VCEAGA1CW107M	J	100	16V	Electrolytic	AB
C304	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
C305	VCEAGA1CW226M	J	22	16V	Electrolytic	AB
C306	VCEAGA1CW337M	J	330	16V	Electrolytic	AC
C307	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
C309	VCEAGA1CW107M	J	100	16V	Electrolytic	AB
C310	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
C311	VCEAGA1CW226M	J	22	16V	Electrolytic	AB
C312	VCEAGA1CW226M	J	22	16V	Electrolytic	AB
C313	VCEAGA1CW226M	J	22	16V	Electrolytic	AB
C314	VCEAGA1CW226M	J	22	16V	Electrolytic	AB
C315	VCCSPA1HL681J	J	680p	50V	Ceramic	AA
C316	VCQYTA1HM823J	J	0.082	50V	My;ar	AA
C317	VCEAGA1HW335M	J	3.3	50V	Electrolytic	AB
C318	VCEAGA1HW335M	J	3.3	50V	Electrolytic	AB
C319	VCKYPA1HF103Z	J	0.01	50V	Ceramic	AA
C320	VCEAGA1CW108M	J	1000	16V	Electrolytic	AD
C321	VCEAGA1HW225M	J	2.2	50V	Electrolytic	AB
C322	VCEAGA1HW225M	J	2.2	50V	Electrolytic	AB
C324	VCQYTA1HM104J	J	0.1	50V	My;ar	AA
C325	VCQYTA1HM682J	J	6800p	50V	Mylar	AB
C326	VCQYTA1HM104J	J	0.1	50V	Mylar	AA
C327	VCQYTA1HM682J	J	6800p	50V	Mylar	AB
C328	VCQYTA1HM102J	J	1000p	50V	Mylar	AA
C329	VCQYTA1HM223J	J	0.022	50V	Mylar	AA
C330	VCQYTA1HM223J	J	0.022	50V	Mylar	AA
C331	VCQYTA1HM222J	J	2200p	50V	Mylar	AA
C332	VCQYTA1HM104J	J	0.1	50V	Mylar	AA
C333	VCQYTA1HM222J	J	2200p	50V	Mylar	AA
C334	VCQYTA1HM222J	J	2200p	50V	Mylar	AA
C335	VCEAGA1HW105M	J	1	50V	Electrolytic	AC
C336	VCEAGA1HW105M	J	1	50V	Electrolytic	AC
C340	VCEAGA1CW476M	J	47	16V	Electrolytic	AB
C341	VCEAGA1CW476M	J	47	16V	Electrolytic	AB
C342	VCQYTA1HM104J	J	0.1	50V	Mylar	AA
C343	VCEAGA1VW337M	J	330	35V	Electrolytic	AC
C344	VCQYTA1HM104J	J	0.1	50V	Mylar	AA
C345	VCEAGA1VW476M	J	47	35V	Electrolytic	AB
C346	VCEAGA1CW476M	J	47	16V	Electrolytic	AB
C347	VCEAGA1HW224M	J	0.22	50V	Electrolytic	AA
C348	VCEAGA1VW337M	J	330	35V	Electrolytic	AC
C349	VCQYTA1HM104J	J	0.1	50V	Mylar	AA
C350	VCEAGA1VW228M	J	2200	35V	Electrolytic	AB
C351	VCEAGA1CW337M	J	330	16V	Electrolytic	AC
C352	VCKYPA1HF103Z	J	0.01	50V	Ceramic	AA

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MAIN UNIT (Continued)

CAPACITORS (Continued)

Ref. No.	Part No.	★	Description	Code
C353	VCEAGA1AW227M	J	220 10V Electrolytic	AB
C355	VCQYTA1HM473J	J	0.047 50V Mylar	AA
C356	VCQYTA1HM223J	J	0.022 50V Mylar	AA
C357	VCFYHA1HA184J	J	0.18 50V M. Polyester	AC
C358	VCFYHA1HA474J	J	0.47 50V M. Polyester	AD
C359	VCFYHA1HA224J	J	0.22 50V M. Polyester	AC
C360	VCFYHA1HA334J	J	0.33 50V M. Polyester	AC
C361	VCFYHA1HA334J	J	0.33 50V M. Polyester	AC
C362	VCQYTA1HM104J	J	0.1 50V Mylar	AA
C363	VCQYTA1HM104J	J	0.1 50V Mylar	AA
C364	VCEAGA1EW228M	J	2200 25V Electrolytic	AE
C365	VCEAGA1EW106M	J	10 25V Electrolytic	AB
C366	VCFYHA1HA224J	J	0.22 50V M. Polyester	AC
C367	VCFYHA1HA224J	J	0.22 50V M. Polyester	AC
C369	VCQYTA1HM102J	J	1000p 50V Mylar	AA
C370	VCEAGA1CW106M	J	10 16V Electrolytic	AA
C371	VCE9GA1HW475M	J	4.7 50V Elect. (N.P)	AB
C372	VCE9GA1HW475M	J	4.7 50V Elect. (N.P)	AB
C373	VCQYTA1HM472J	J	4700p 50V Mylar	AB
C374	VCQYTA1HM473J	J	0.047 50V Mylar	AA
C387	VCEAGA1CW476M	J	47 16V Electrolytic	AB
C389	VCQYTA1HM102J	J	1000p 50V Mylar	AA
C501	VCEAGA1HW334T	J	0.33 50V Electrolytic	AC
C502	VCEACA1HC225J	J	2.2 50V Electrolytic	AC
C503	VCQYTA1HM223J	J	0.022 50V Mylar	AA
C505	VCKYPA1HF103Z	J	0.01 50V Ceramic	AA
C506	VCEAGA1HW107M	J	100 50V Electrolytic	AC
C507	VCQYTA1HM103J	J	0.01 50V Mylar	AA
C508	VCQYTA1HM683J	J	0.068 50V Mylar	AB
C509	VCFYAA2AA224J	J	0.22 100V M. Polyester	AD
C510	VCQYSG2AA473K	J	0.047 100V Mylar	AC
C511	VCEAGA1VW108M	J	1000 35V Electrolytic	AD
C512	VCEAGA1HW105M	J	1 50V Electrolytic	AC
C513	VCEACA1HC474K	J	0.47 50V Electrolytic	AB
C514	VCKYPA2HB391K	J	390p 500V Ceramic	AA
C515	VCQYTA1HM563J	J	0.056 50V Mylar	AB
C516	VCKYPA1HB221K	J	220p 50V Ceramic	AA
C517	VCEACA1HC225J	J	2.2 50V Electrolytic	AB
C601	VCKYPA2HB102K	J	1000p 500V Ceramic	AA
C602	VCKYPA1HF103Z	J	0.01 50V Ceramic	AA
C603	VCKYPA2HB472K	J	4700p 500V Ceramic	AA
C604	VCEAGA1EW227M	J	220 25V Electrolytic	AC
⚠ C605	VCFPPD3CA103H	J	0.01 1.6kV Polypro Film	AE
⚠ C606	VCFPPD3CA682H	J	6800p 1.6kV Polypro Film (25FX5)	AE
⚠ C606	VCFPPD3CA103H	J	0.01 1.6kV Polypro Film (29FX5)	AE
⚠ C607	VCFPPC3CA182H	J	1800p 1.6kV Polypro Film	AD
⚠ C608	VCKYPH3DB561K	J	560p 2kV Ceramic (29FX5)	AC
C609	VCKYPA2HB102K	J	1000p 500V Ceramic	AA
C610	VCFPPD2DB474J	J	0.47 200V Polypro Film	AE
C611	VCKYPA2HB102K	J	1000p 500V Ceramic	AA
C612	VCEAGA1VW228M	J	2200 35V Electrolytic	AB
C613	VCFYSB2EB224K	J	0.22 250V M. Polyester	AD
C614	VCEAGA1HW106M	J	10 50V Electrolytic	AC
C615	VCEAGA1CW476M	J	47 16V Electrolytic	AB
C616	VCQYTA1HM682J	J	6800p 50V Mylar	AB
C617	VCFYFA1HA474J	J	0.47 50V M. Polyester	AC
C618	VCKYPA1HF103Z	J	0.01 50V Ceramic	AA
C619	VCEAGA1CW108M	J	1000 16V Electrolytic	AD
C620	VCE9RH1HW475K	J	4.7 50V Elect. (N.P)	AF
C621	VCFPPD2DB564J	J	0.56 200V Polypro Film (25FX5)	AF
C621	VCFPPD2DB334J	J	0.33 200V Polypro Film (29FX5)	AF
C623	VCKYPA2HB561K	J	560p 500V Ceramic	AA
C624	VCFPPD2DB334J	J	0.33 200V Polypro Film (25FX5)	AF
C624	VCFPPD2DB274J	J	0.27 200V Polypro Film (29FX5)	AE
C625	VCEAGA1EW477M	J	470 25V Electrolytic	AD
C626	VCEAGA1CW477M	J	470 16V Electrolytic	AC
C627	VCEAGA1CW477M	J	470 16V Electrolytic	AC
C628	VCEAGA1CW477M	J	470 16V Electrolytic	AC
C629	VCEAGA2EW336M	J	33 250V Electrolytic	AD
C630	VCQPSC2JA393K	J	0.039 630V Mylar	AB
C631	VCEAGA0JW227M	J	220 6.3V Electrolytic	AB
C1001	VCKYPA1HF103Z	J	0.01 50V Ceramic	AA
C1002	VCCCPA1HH101J	J	100p 50V Ceramic	AA
C1003	VCCCPA1HH101J	J	100p 50V Ceramic	AA
C1004	VCQYTA1HM104J	J	0.1 50V Mylar	AA
C1005	VCQYTA1HM104J	J	0.1 50V Mylar	AA
C1006	VCEAGA1HW106M	J	10 50V Electrolytic	AC
C1007	VCEAGA2CW106M	J	10 160V Electrolytic	AC
C1008	VCEAGA1EW475M	J	47 25V Electrolytic	AA
C1009	VCKYPA1HF103Z	J	0.01 50V Ceramic	AA
C1010	VCKYPA1HF103Z	J	0.01 50V Ceramic	AA
C1011	VCEAGA1HW105M	J	1 50V Electrolytic	AC
C1013	VCEAGA1AW107M	J	100 10V Electrolytic	AB
C1014	VCEAGA0JW107M	J	100 6.3V Electrolytic	AB
C1015	VCCSPA1HL220J	J	22p 50V Ceramic	AA
C1016	VCCSPA1HL220J	J	22p 50V Ceramic	AA
C1017	VCCSPA1HL220J	J	22p 50V Ceramic	AA
C1018	VCCSPA1HL220J	J	22p 50V Ceramic	AA
C1019	VCKYPA1HF103Z	J	0.01 50V Ceramic	AA
C1020	VCEAGA1AW107M	J	100 10V Electrolytic	AB
C1021	VCCSPA1HL560J	J	56p 50V Ceramic	AA
C1022	VCCSPA1HL560J	J	56p 50V Ceramic	AA
⚠ C1023	VCQYTA1HM104J	J	0.1 50V Mylar	AA
C1027	VCEAGA1CW476M	J	47 16V Electrolytic	AB
C1028	VCFYHA1HA474J	J	0.47 50V M. Polyester	AD
C1029	VCFYHA1HA474J	J	0.47 50V M. Polyester	AD
C1030	VCEAGA1AW476M	J	47 10V Electrolytic	AA

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MAIN UNIT (Continued)

RESISTORS

Ref. No.	Part No.	★	Description	Code
R201	VRD-RA2BE103J	J	10k 1/8W Carbon	AA
R202	VRD-RA2BE472J	J	4.7k 1/8W Carbon	AA
R203	VRD-RA2BE333J	J	33k 1/8W Carbon	AA
R204	VRD-RA2BE684J	J	680k 1/8W Carbon	AA
R205	VRD-RA2BE103J	J	10k 1/8W Carbon	AA
R206	VRD-RA2BE472J	J	4.7k 1/8W Carbon	AA
R207	VRD-RA2BE103J	J	10k 1/8W Carbon	AA
R208	VRD-RA2BE472J	J	4.7k 1/8W Carbon	AA
R209	VRD-RA2BE272J	J	2.7k 1/8W Carbon	AA
R210	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R211	VRD-RA2BE104J	J	100k 1/8W Carbon	AA
R212	VRD-RA2BE104J	J	100k 1/8W Carbon	AA
R213	VRD-RA2BE472J	J	4.7k 1/8W Carbon	AA
R214	VRD-RA2BE152J	J	1.5k 1/8W Carbon	AA
R215	VRD-RA2BE123J	J	12k 1/8W Carbon	AA
R216	VRD-RA2BE473J	J	47k 1/8W Carbon	AA
R217	VRD-RA2BE333J	J	33k 1/8W Carbon	AA
R218	*See Controls*			
R219	VRD-RA2BE562J	J	5.6k 1/8W Carbon	AA
R220	VRD-RA2BE151J	J	150 1/8W Carbon	AA
R221	VRD-RA2BE222J	J	2.2k 1/8W Carbon	AA
R223	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R224	VRD-RA2BE153J	J	15k 1/8W Carbon	AA
R301	VRD-RA2BE333J	J	33k 1/8W Carbon	AA
R302	VRD-RA2BE332J	J	3.3k 1/8W Carbon	AA
R303	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R304	VRD-RA2BE560J	J	56 1/8W Carbon	AA
R305	VRD-RA2EE105J	J	1M 1/4W Carbon	AA
R306	VRD-RM2HD221J	J	220 1/2W Carbon	AA
R307	VRD-RA2BE333J	J	33k 1/8W Carbon	AA
R308	VRD-RA2BE332J	J	3.3k 1/8W Carbon	AA
R309	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R310	VRD-RA2BE560J	J	56 1/8W Carbon	AA
R313	VRD-RA2BE103J	J	10k 1/8W Carbon	AA
R314	VRD-RA2BE103J	J	10k 1/8W Carbon	AA
R315	VRD-RA2BE824J	J	820k 1/8W Carbon	AA
R316	VRD-RA2BE101J	J	100 1/8W Carbon	AA
R317	VRD-RA2BE101J	J	100 1/8W Carbon	AA
R318	VRD-RA2BE182J	J	1.8k 1/8W Carbon	AA
R319	VRD-RA2BE122J	J	1.2k 1/8W Carbon	AA
R320	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R321	VRD-RA2BE182J	J	1.8k 1/8W Carbon	AA
R322	VRD-RA2BE122J	J	1.2k 1/8W Carbon	AA
R323	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R326	VRD-RA2BE101J	J	100 1/8W Carbon	AA
⚠ R327	VRG-RF2EB2R2J	J	2.2 1/4W Fuse Resistor	AB
R328	VRD-RA2BE683J	J	68k 1/8W Carbon	AA
⚠ R329	VRG-RF2EB2R2J	J	2.2 1/4W Fuse Resistor	AB
R330	VRD-RA2BE563J	J	56k 1/8W Carbon	AA
R331	VRD-RM2HD332J	J	3.3k 1/2W Carbon	AA
R332	VRD-RA2BE473J	J	47k 1/8W Carbon	AA
R333	VRD-RA2BE473J	J	47k 1/8W Carbon	AA

RESISTORS (Continued)

Ref. No.	Part No.	★	Description	Code
R334	VRD-RM2HD332J	J	3.3k 1/2W Carbon	AA
R335	VRD-RA2BE103J	J	10k 1/8W Carbon	AA
R336	VRD-RA2BE103J	J	10k 1/8W Carbon	AA
⚠ R337	VRG-RF2EB100J	J	10 1/4W Fuse Resistor	AB
R338	VRD-RA2BE562J	J	5.6k 1/8W Carbon	AA
R339	VRD-RA2BE123J	J	12k 1/8W Carbon	AA
R340	VRD-RA2BE562J	J	5.6k 1/8W Carbon	AA
R341	VRD-RA2BE392J	J	3.9k 1/8W Carbon	AA
R342	VRD-RA2BE223J	J	22k 1/8W Carbon	AA
R343	VRD-RA2BE123J	J	12k 1/8W Carbon	AA
R345	VRD-RA2BE223J	J	22k 1/8W Carbon	AA
R346	VRD-RA2BE822J	J	8.2k 1/8W Carbon	AA
R347	VRD-RA2BE392J	J	3.9k 1/8W Carbon	AA
R348	VRD-RA2BE562J	J	5.6k 1/8W Carbon	AA
R349	VRD-RA2BE682J	J	6.8k 1/8W Carbon	AA
R350	VRD-RA2BE103J	J	10k 1/8W Carbon	AA
R351	VRD-RA2BE123J	J	12k 1/8W Carbon	AA
R352	VRD-RA2BE123J	J	12k 1/8W Carbon	AA
R353	VRD-RA2BE392J	J	3.9k 1/8W Carbon	AA
R354	VRD-RA2BE681J	J	680 1/8W Carbon	AA
R355	VRD-RA2BE272J	J	2.7k 1/8W Carbon	AA
R356	VRD-RA2BE683J	J	68k 1/8W Carbon	AA
R357	VRD-RA2BE473J	J	47k 1/8W Carbon	AA
R358	VRD-RA2BE473J	J	47k 1/8W Carbon	AA
R359	VRN-VV3LBR22J	J	0.22 3W Metal Film	AB
R360	VRD-RA2EE2R2J	J	2.2 1/4W Carbon	AA
R361	VRD-RA2EE2R2J	J	2.2 1/4W Carbon	AA
R364	VRD-RA2BE392J	J	3.9k 1/8W Carbon	AA
R365	VRD-RA2BE183J	J	18k 1/8W Carbon	AA
R366	VRD-RA2BE103J	J	10k 1/8W Carbon	AA
R367	VRD-RA2BE103J	J	10k 1/8W Carbon	AA
R368	VRD-RA2BE103J	J	10k 1/8W Carbon	AA
R369	VRD-RA2BE103J	J	10k 1/8W Carbon	AA
R370	VRD-RA2BE273J	J	27k 1/8W Carbon	AA
R371	VRD-RA2BE392J	J	3.9k 1/8W Carbon	AA
R372	VRD-RA2BE123J	J	12k 1/8W Carbon	AA
R373	VRD-RA2BE123J	J	12k 1/8W Carbon	AA
R374	VRD-RA2BE123J	J	12k 1/8W Carbon	AA
R375	VRD-RA2BE272J	J	2.7k 1/8W Carbon	AA
R502	VRD-RA2BE101J	J	100 1/8W Carbon	AA
R503	VRD-RA2BE101J	J	100 1/8W Carbon	AA
R504	VRD-RA2BE101J	J	100 1/8W Carbon	AA
R505	VRD-RA2BE332J	J	3.3k 1/8W Carbon	AA
R506	VRD-RA2BE101J	J	100 1/8W Carbon	AA
R507	VRD-RA2EE102J	J	1k 1/4W Carbon	AA
R508	VRD-RA2BE274J	J	270k 1/8W Carbon	AA
R509	VRD-RA2BE151J	J	150 1/8W Carbon	AA
R510	VRD-RA2BE124J	J	120k 1/8W Carbon	AA
R511	VRD-RA2BE683J	J	68k 1/8W Carbon	AA
R512	VRD-RA2BE223J	J	22k 1/8W Carbon	AA
R513	VRD-RA2BE471J	J	470 1/8W Carbon	AA
R514	VRD-RM2HD3R9J	J	3.9 1/2W Carbon	AA
R515	VRD-RM2HD3R9J	J	3.9 1/2W Carbon	AA
R516	VRD-RM2HD3R9J	J	3.9 1/2W Carbon	AA
R517	VRD-RM2HD391J	J	390 1/2W Carbon	AA

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MAIN UNIT (Continued)

RESISTORS (Continued)

Ref. No.	Part No.	★	Description	Code
R519	VRD-RA2EE123J	J	12k 1/4W Carbon	AA
R520	VRD-RM2HD391J	J	390 1/2W Carbon (25FX5)	AA
R520	VRD-RM2HD181J	J	180 1/2W Carbon (25FX5)	AA
R521	VRD-RA2BE223J	J	22k 1/8W Carbon	AA
R522	VRD-RA2BE333J	J	33k 1/8W Carbon	AA
⚠ R525	VRG-RF2EB220J	J	22 1/4W Fuse Resistor	AB
R526	VRD-RM2HD391J	J	390 1/2W Carbon (25FX5)	AA
R526	VRD-RM2HD181J	J	180 1/2W Carbon (29FX5)	AA
R601	VRD-RA2EE221J	J	220 1/4W Carbon	AA
R602	VRD-RA2EE471J	J	470 1/4W Carbon	AA
R603	VRD-RM2HD820J	J	82 1/2W Carbon	AA
R604	VRW-KX3HC180K	J	18 5W Cement	AC
R605	VRD-RM2HD470J	J	47 1/2W Carbon	AA
R606	VRS-VV3DB561J	J	560 2W Metal Oxide	AA
⚠ R607	VRG-RF2HB220J	J	22 1/2W Fuse Resistor	AB
R608	VRS-VV3DB680J	J	68 2W Metal Oxide	AA
R609	VRW-KQ41C2R7K	J	2.7 15W Cement	AG
⚠ R610	VRG-RF2HB3R3J	J	3.3 1/2W Fuse Resistor	AB
⚠ R611	VRG-RF2HB1R0J	J	1 1/2W Fuse Resistor	AA
R612	VRD-RA2EE101J	J	100 1/4W Carbon	AA
R613	VRN-VV3LB1R5J	J	1.5 3W Metal Film (25FX5)	AB
R613	VRN-VV3LB3R3J	J	3.3 3W Metal Film (29FX5)	AB
R614	VRD-RA2EE101J	J	100 1/4W Carbon	AA
R617	VRS-SU2HB102J	J	1k 1/2W Metal Oxide	AA
R618	VRD-RA2EE393J	J	39k 1/4W Carbon	AA
R619	VRD-RA2EE824J	J	820k 1/4W Carbon	AA
R620	VRD-RA2EE564J	J	560k 1/4W Carbon	AA
R621	VRD-RA2EE274J	J	270k 1/4W Carbon	AA
R622	*See Controls*			
R623	VRD-RM2HD102J	J	1k 1/2W Carbon	AA
R624	VRD-RM2HD472J	J	4.7k 1/2W Carbon	AA
R625	VRD-RA2EE334J	J	330k 1/4W Carbon	AA
⚠ R626	VRD-RA2BE272J	J	2.7k 1/8W Carbon	AA
⚠ R627	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
⚠ R628	VRD-RA2BE153J	J	15k 1/8W Carbon	AA
⚠ R629	VRD-RA2BE153J	J	15k 1/8W Carbon	AA
⚠ R630	VRD-RA2BE103J	J	10k 1/8W Carbon	AA
R631	VRD-RA2BE103J	J	10k 1/8W Carbon	AA
R632	VRD-RA2BE222J	J	2.2k 1/8W Carbon	AA
R633	VRD-RA2EE125J	J	1.2M 1/4W Carbon	AA
R634	VRD-RA2BE124J	J	120k 1/8W Carbon	AA
R635	VRD-RA2BE124J	J	120k 1/8W Carbon	AA
R636	VRD-RA2BE124J	J	120k 1/8W Carbon	AA
R637	VRD-RA2BE123J	J	12k 1/8W Carbon	AA
R638	VRD-RA2BE223J	J	22k 1/8W Carbon	AA
R639	VRD-RM2HD222J	J	2.2k 1/2W Carbon	AA
R640	VRD-RA2BE332J	J	3.3k 1/8W Carbon (25FX5)	AA
R640	VRD-RA2BE103J	J	10k 1/8W Carbon (29FX5)	AA
R641	VRD-RA2EE472J	J	4.7k 1/4W Carbon	AA
R642	VRN-VV3LB6R8J	J	6.8 3W Metal Film	AC
R643	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R645	VRD-RA2BE562J	J	5.6k 1/8W Carbon	AA
R646	VRS-VV3DB220J	J	22 2W Metal Oxide	AA
R647	VRN-KT3LB3R9J	J	3.9 3W Metal Film	AF
R648	VRD-RA2BE153J	J	15k 1/8W Carbon	AA
R649	VRD-RA2BE333J	J	33k 1/8W Carbon	AA
R650	VRS-VV3DB150J	J	15 2W Metal Oxide	AA
R651	VRD-RA2EE103J	J	10k 1/4W Carbon	AA
R652	VRD-RA2BE103J	J	10k 1/8W Carbon	AA
R653	VRD-RA2EE103J	J	10k 1/4W Carbon	AA
R654	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R655	VRD-RA2BE153J	J	15k 1/8W Carbon	AA
R657	VRD-RM2HD560J	J	56 1/2W Carbon	AA
R1001	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R1002	VRD-RA2BE473J	J	47k 1/8W Carbon	AA
R1003	VRD-RA2BE101J	J	100 1/8W Carbon	AA
R1004	VRD-RA2BE333J	J	33k 1/8W Carbon	AA
R1005	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R1006	VRD-RA2BE153J	J	15k 1/8W Carbon	AA
R1007	VRD-RA2BE123J	J	12k 1/8W Carbon	AA
R1008	VRD-RA2BE333J	J	33k 1/8W Carbon	AA
R1009	VRD-RA2BE333J	J	33k 1/8W Carbon	AA
R1010	VRD-RA2BE153J	J	15k 1/8W Carbon	AA
R1011	VRS-VV3DB153J	J	15k 2W Metal Oxide	AA
R1012	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R1013	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R1014	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R1015	VRD-RA2BE101J	J	100 1/8W Carbon	AA
R1016	VRD-RA2BE101J	J	100 1/8W Carbon	AA
R1017	VRD-RA2BE101J	J	100 1/8W Carbon	AA
R1018	VRD-RA2BE101J	J	100 1/8W Carbon	AA
R1019	VRD-RA2BE103J	J	10k 1/8W Carbon	AA
R1020	VRD-RA2BE103J	J	10k 1/8W Carbon	AA
R1021	VRD-RA2BE101J	J	100 1/8W Carbon	AA
R1022	VRD-RA2BE103J	J	10k 1/8W Carbon	AA
R1023	VRD-RA2BE472J	J	4.7k 1/8W Carbon	AA
R1024	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R1025	VRD-RA2BE472J	J	4.7k 1/8W Carbon	AA
R1026	VRD-RA2BE101J	J	100 1/8W Carbon	AA
R1027	VRD-RA2BE103J	J	10k 1/8W Carbon	AA
R1028	VRD-RA2BE101J	J	100 1/8W Carbon	AA
R1029	VRD-RA2BE223J	J	22k 1/8W Carbon	AA
R1030	VRD-RA2BE272J	J	2.7k 1/8W Carbon	AA
R1031	VRD-RA2BE101J	J	100 1/8W Carbon	AA
R1032	VRD-RA2BE101J	J	100 1/8W Carbon	AA
R1033	VRD-RA2BE272J	J	2.7k 1/8W Carbon	AA
R1034	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R1035	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R1036	VRD-RA2BE472J	J	4.7k 1/8W Carbon	AA

PWB-A DUNTK8550WEV6/V2
MAIN UNIT (Continued)

Ref. No.	Part No.	★	Description	Code
RESISTORS (Continued)				
R1037	VRD-RA2BE472J	J	4.7k 1/8W Carbon	AA
R1038	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R1039	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R1040	VRD-RA2BE333J	J	33k 1/8W Carbon	AA
R1041	VRD-RA2BE223J	J	22k 1/8W Carbon	AA
R1042	VRD-RA2BE333J	J	33k 1/8W Carbon	AA
R1043	VRD-RA2BE392J	J	3.9k 1/8W Carbon	AA
R1044	VRD-RA2BE392J	J	3.9k 1/8W Carbon	AA
R1045	VRD-RA2BE392J	J	3.9k 1/8W Carbon	AA
R1046	VRD-RA2BE392J	J	3.9k 1/8W Carbon	AA
R1047	VRD-RA2BE101J	J	100 1/8W Carbon	AA
R1048	VRD-RA2BE563J	J	56k 1/8W Carbon	AA
R1049	VRD-RA2BE563J	J	56k 1/8W Carbon	AA
R1050	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R1051	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R1052	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R1053	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R1054	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R1055	VRD-RA2BE682J	J	6.8k 1/8W Carbon	AA
R1056	VRD-RA2BE563J	J	56k 1/8W Carbon (25FX5)	AA
R1058	VRD-RA2BE563J	J	56k 1/8W Carbon	AA
R1060	VRD-RA2BE563J	J	56k 1/8W Carbon	AA
R1061	VRD-RA2BE563J	J	56k 1/8W Carbon	AA
R1063	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R1064	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R1065	VRD-RA2BE103J	J	10k 1/8W Carbon	AA
R1066	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R1067	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R1068	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R1069	VRD-RA2BE392J	J	3.9k 1/8W Carbon	AA
R1070	VRD-RA2BE123J	J	12k 1/8W Carbon	AA
R1071	VRD-RA2BE472J	J	4.7k 1/8W Carbon	AA
R1072	VRD-RA2BE332J	J	3.3k 1/8W Carbon	AA
R1073	VRD-RA2BE332J	J	3.3k 1/8W Carbon	AA
R1074	VRD-RA2BE332J	J	3.3k 1/8W Carbon	AA
R1075	VRD-RA2BE472J	J	4.7k 1/8W Carbon	AA
R1076	VRD-RA2BE472J	J	4.7k 1/8W Carbon	AA
R1077	VRD-RA2BE103J	J	10k 1/8W Carbon	AA
R1078	VRD-RA2BE562J	J	5.6k 1/8W Carbon	AA
R1079	VRD-RA2BE333J	J	33k 1/8W Carbon	AA
R1080	VRD-RA2BE103J	J	10k 1/8W Carbon	AA
R1081	VRD-RA2BE153J	J	15k 1/8W Carbon	AA
⚠ R1082	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
⚠ R1083	VRD-RA2BE562J	J	5.6k 1/8W Carbon	AA
⚠ R1084	VRD-RA2BE103J	J	10k 1/8W Carbon	AA
⚠ R1085	VRD-RA2BE562J	J	5.6k 1/8W Carbon	AA
⚠ R1086	VRD-RA2BE103J	J	10k 1/8W Carbon	AA
⚠ R1087	VRD-RA2BE103J	J	10k 1/8W Carbon	AA
R1088	VRD-RA2BE101J	J	100 1/8W Carbon	AA
R1089	VRD-RA2BE101J	J	100 1/8W Carbon	AA
R1090	VRD-RA2BE103J	J	10k 1/8W Carbon	AA
R1091	VRD-RA2BE101J	J	100 1/8W Carbon	AA
R1092	VRD-RA2BE473J	J	47k 1/8W Carbon	AA
R1093	VRD-RA2BE473J	J	47k 1/8W Carbon	AA
R1094	VRD-RA2BE101J	J	100 1/8W Carbon	AA
R1095	VRD-RA2BE101J	J	100 1/8W Carbon	AA
R1162	VRD-RA2BE103J	J	10k 1/8W Carbon	AA
R1163	VRD-RA2BE103J	J	10k 1/8W Carbon	AA
R1165	VRD-RA2BE392J	J	3.9k 1/8W Carbon	AA
SWITCH				
S1001	QSW-B0015CEZZ	J	Set Up Switch	AC
MISCELLANEOUS PARTS				
FB501	RBLN-0037CEZZ	J	Ferrite Bead	AB
FB602	RBLN-0010CEZZ	J	Ferrite Bead	AC
FB603	RBLN-0037CEZZ	J	Ferrite Bead	AB
P301	QPLGN0241CEZZ	J	Plug 2-pin, (SW)	AA
P302	QPLGN0441CEZZ	J	Plug 4-pin, (XF)	AB
P303	QPLGN0441CEZZ	J	Plug 4-pin, (XB)	AB
P304	QPLGN0541CEZZ	J	Plug 5-pin, (SS)	AB
P305	QPLGN0341CEZZ	J	Plug 3-pin, (SI)	AA
P306	QPLGN0441CEZZ	J	Plug 4-pin, (ST)	AB
P401	QPLGN0887CEZZ	J	Plug 8-pin, (VA)	AC
P402	QPLGN0887CEZZ	J	Plug 8-pin, (VB)	AC
P403	QPLGN0887CEZZ	J	Plug 8-pin, (VC)	AC
P501	QPLGN0341CEZZ	J	Plug 3-pin, (H)	AA
P602	QPLGN0603CEZZ	J	Plug 6-pin, (K)	AB
P603	QPLGN0541CEZZ	J	Plug 5-pin, (XA)	AB
P604	QPLGN0441CEZZ	J	Plug 4-pin, (XE)	AB
P605	QPLGN0541CEZZ	J	Plug 5-pin, (XC)	AB
P606	QPLGN0241CEZZ	J	Plug 2-pin, (XD)	AA
P607	QPLGN0241CEZZ	J	Plug 2-pin, (YY)	AA
P1001	QPLGN0441CEZZ	J	Plug 4-pin, (BC)	AB
P1002	QPLGN0641CEZZ	J	Plug 6-pin, (LE)	AB
P1003	QPLGN0841CEZZ	J	Plug 8-pin, (RC)	AB
SC301	QSOCN0485CEZZ	J	Socket 4-pin, (IG)	AB
SC302	QSOCN1085CEZZ	J	Socket 10-pin, (NI)	AD
SC601	QTiPM0083CEZZ	J	Tip 1-pin, (L2)	AB
SC801	QSOCN0985CEZZ	J	Socket 9-pin, (YA)	AD
SC802	QSOCN0885CEZZ	J	Socket 8-pin, (YB)	AC
SC803	QSOCN0985CEZZ	J	Socket 9-pin, (YC)	AD
SC804	QSOCN0785CEZZ	J	Socket 7-pin, (TE)	AC
SC805	QSOCN0885CEZZ	J	Socket 8-pin, (TX)	AC

—— End of PWB-A ——

PWB-B DUNTK8553WEV1
POWER UNIT

INTEGRATED CIRCUITS

Ref. No.	Part No.	★	Description	Code
⚠ IC701	VHiSTRS6309-1	J	Switching Power Reg.	AU
⚠ IC702	RH-FX0024CEZZ	J	Photo Coupler, PC113L	AG

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
⚠ Q701	VS2SC1815GW-1	J	2SC1815(GW)	AB
Q750	VS2SC4382//1E	J	2SC4382	AF
Q751	VS2SC1815GW-1	J	2SC1815(GW)	AB
⚠ Q752	VS2SC2229O/-1	J	2SC2229	AE
Q753	VS2SC2229O/-1	J	2SC2229	AE
Q754	VS2SC1815GW-1	J	2SC1815(GW)	AB

DIODES

Ref. No.	Part No.	★	Description	Code
⚠ D701	RH-DX0336CEZZ	J		AH
⚠ D702	RH-DX0164CEZZ	J		AC
⚠ D703	RH-DX0027CEZZ	J		AE
⚠ D704	RH-DX0202CEZZ	J		AD
⚠ D705	VHD1SS119//1E	J	1SS119	AA
D750	RH-DX0279CEZZ	J		AB
D751	RH-DX0279CEZZ	J		AB
D752	RH-DX0279CEZZ	J		AB
D753	RH-DX0279CEZZ	J		AB
D754	VHD1SS119//1E	J	1SS119	AA
D755	VHD1SS119//1E	J	1SS119	AA
D756	VHD1SS119//1E	J	1SS119	AA
D758	RH-DX0445CEZZ	J		AL
D759	RH-DX0382CEZZ	J		AD
⚠ D760	RH-EX0152CEZZ	J	Zener Diode, 180V	AE
D761	RH-EX0322CEZZ	J	Zener Diode, 12V	AA
D762	RH-EX0322CEZZ	J	Zener Diode, 12V	AA
D763	RH-DX0279CEZZ	J		AB
D765	RH-EX0301CEZZ	J	Zener Diode, 6.2V	AA
D767	VHD1SS119//1E	J	1SS119	AA
VA701	RH-VX0033CEZZ	J	Varistor	AD

PACKAGED CIRCUIT

Ref. No.	Part No.	★	Description	Code
⚠ PR701	RMPTP0071CEZZ	J	Positive Coefficient Thermister Degaussing	AP

COIL AND TRANSFORMERS

Ref. No.	Part No.	★	Description	Code
⚠ L701	RCiLF0166CEZZ	J	Coil, Line Filter	AQ
⚠ L703	RCiLF0166CEZZ	J	Coil, Line Filter	AQ
L750	RCiLP0106CEZZ	J	Coil	AE
L752	RCiLP0106CEZZ	J	Coil	AE
⚠ T701	RTRNP0016PEZZ	R	Back Up Trans.	AR
⚠ T702	RTRNZ0073PEZZ	R	Converter Trans.	AZ

CONTROL

Ref. No.	Part No.	★	Description	Code
R767	RVR-M4629GEZZ	J	3.3k(B) 120V Adjust	AB

CAPACITORS

Ref. No.	Part No.	★	Description	Code
⚠ C701	RC-FZ0012GEZZ	J	0.22 AC250V Across the Line	AE
⚠ C705	VCFYSB2EB224K	J	0.22 250V M. Polyester	AD
⚠ C706	RC-KZ0029CEZZ	J	0.01 AC250V Ceramic	AC
⚠ C707	RC-EZ0443CEZZ	J	680 400V Electrolytic	AC
⚠ C708	RC-KZ0024CEZZ	J	1000p 2kV Ceramic	AC
⚠ C709	VCKYPH3DB561K	J	560P 2kV Ceramic	AC
⚠ C710	VCQPSC2JA333K	J	0.033 630V Polypro Film	AB
⚠ C712	VCKYPH3DB561K	J	560P 2kV Ceramic	AC
⚠ C713	VCQYTA1HM222J	J	2200p 50V Mylar	AA
⚠ C714	VCEAGA1HW337M	J	330 50V Electrolytic	AD
⚠ C715	VCQYTA1HM473J	J	0.047 50V Mylar	AB
⚠ C716	VCKYPA2HB102K	J	1000p 500V Ceramic	AA
⚠ C717	VCEAGA1VW106M	J	10 35V Electrolytic	AC
⚠ C718	VCEACA1EC475K	J	4.7 25V Electrolytic	AC
⚠ C719	VCQYTA1HM104J	J	0.1 50V Mylar	AA
⚠ C720	VCQYTA1HM104J	J	0.1 50V Mylar	AA
⚠ C721	RC-KZ0155CEZZ	J	680p 4kV Ceramic	AE
C750	VCKYPA2HB102K	J	1000p 500V Ceramic	AA
C751	VCKYPA2HB102K	J	1000p 500V Ceramic	AA
C752	VCEAGA2AW107M	J	100 100V Electrolytic	AD
C753	VCEAGA1CW106M	J	10 16V Electrolytic	AA
C754	VCEAGA1CW227M	J	220 16V Electrolytic	AC
C755	VCKYPA1HF103Z	J	0.01 50V Ceramic	AA
C757	VCKYPA2HB102K	J	1000p 500V Ceramic	AA
C758	RC-KZ0024CEZZ	J	1000p 2kV Ceramic	AC
C759	RC-EZ0070CEZZ	J	330 160V Electrolytic	AH
C761	VCEAGA1EW108M	J	1000 25V Electrolytic	AD
C763	VCEAGW2CW227M	J	220 160V Electrolytic	AK
C764	RC-KZ0029CEZZ	J	0.01 AC250V Ceramic	AC
C765	RC-EZ0259CEZZ	J	2200 50V Electrolytic	AH
C766	VCEAGA1VW228M	J	2200 35V Electrolytic	AB
C767	VCEAGA2AW105M	J	1 100V Electrolytic	AB
⚠ C770	VCCSPA2HL470J	J	47p 500V Ceramic	AA
C772	VCEAGA1EW475M	J	4.7 25V Electrolytic	AA
C774	VCKYPA1HF103Z	J	0.01 50V Ceramic	AA

RESISTORS

Ref. No.	Part No.	★	Description	Code
⚠ R701	VRC-UA2HG395K	J	3.9M 1/2W Solid	AA
⚠ R702	VRD-RM2HD391J	J	390 1/2W Carbon	AA
⚠ R703	VRW-KQ41C2R2K	J	2.2 15W Cement	AG
⚠ R704	VRW-KQ41C2R2K	J	2.2 15W Cement	AG
⚠ R705	VRS-KT3LB333J	J	33k 3W Metal Oxide	AC
⚠ R706	VRD-RM2HD154J	J	150k 1/2W Carbon	AA
⚠ R707	VRD-RM2HD154J	J	150k 1/2W Carbon	AA
⚠ R708	VRS-KT3LB560J	J	56 3W Metal Oxide	AC
⚠ R709	VRW-KQ3NC470K	J	47 7W Cement	AE
⚠ R710	VRD-RM2HD470J	J	47 1/2W Carbon	AA
⚠ R711	VRD-RM2HD471J	J	470 1/2W Carbon	AA
⚠ R712	RR-WZ0140CEZZ	J	0.22 3W Cement	AC
⚠ R713	VRD-RM2HD564J	J	560k 1/2W Carbon	AC
⚠ R714	VRD-RM2HD564J	J	560k 1/2W Carbon	AC
⚠ R715	VRD-RM2HD121J	J	120 1/2W Carbon	AA
⚠ R716	VRG-RF2EB1R0J	J	1 1/4W Fuse Resistor	AB

Ref. No.	Part No.	★	Description	Code

PWB-B DUNTK8553WEV1
POWER UNIT (Continued)

RESISTORS (Continued)

⚠ R717	VRD-RM2HD821J	J	820 1/2W Carbon	AA
⚠ R718	VRC-UA2HG825K	J	8.2M 1/2W Solid	AA
⚠ R719	VRC-UA2HG825K	J	8.2M 1/2W Solid	AA
R721	VRS-KT3LB822J	J	8.2k 3W Metal Oxide	AC
R750	VRS-VV3DB272J	J	2.7k 2W Metal Oxide	AA
R751	VRS-VV3DB472J	J	4.7k 2W Metal Oxide	AA
R752	VRD-RA2BE332J	J	3.3k 1/8W Carbon	AA
R753	VRD-RA2BE472J	J	4.7k 1/8W Carbon	AA
R754	VRD-RM2HD223J	J	22k 1/2W Carbon	AA
R755	VRD-RM2HD562J	J	5.6k 1/2W Carbon	AA
R756	VRD-RM2HD270J	J	27 1/2W Carbon	AA
R757	VRD-RM2HD270J	J	27 1/2W Carbon	AA
R760	VRD-RM2HD223J	J	22k 1/2W Carbon	AA
R761	VRD-RM2HD473J	J	47k 1/2W Carbon	AA
⚠ R763	VRD-RA2EE184G	J	180k 1/4W Carbon	AA
⚠ R764	VRD-RA2EE184G	J	180k 1/4W Carbon	AA
R765	VRD-RA2EE124J	J	120k 1/4W Carbon	AA
R766	VRD-RA2EE682G	J	6.8k 1/4W Carbon	AA
R767	*See Control*			
R770	VRD-RA2BE183J	J	18k 1/8W Carbon	AA
R771	VRD-RA2BE153J	J	15k 1/8W Carbon	AA
R772	VRD-RA2BE153J	J	15k 1/8W Carbon	AA
R776	VRD-RM2HD183J	J	18k 1/2W Carbon	AA
R777	VRD-RM2HD183J	J	18k 1/2W Carbon	AA

MISCELLANEOUS PARTS

CN705	QCNW-1715PEZZ	R	Connecting Wire, (XA)	AF
⚠ F701	QFS-C5022CEZZ	J	Fuse, T5A	AD
⚠ FB701	RBLN-0037CEZZ	J	Ferrite Bead	AB
⚠ FB702	RBLN-0037CEZZ	J	Ferrite Bead	AB
⚠ FB703	RBLN-0037CEZZ	J	Ferrite Bead	AB
FB750	RBLN-0037CEZZ	J	Ferrite Bead	AB
FB753	RBLN-0037CEZZ	J	Ferrite Bead	AB
FB754	RBLN-0037CEZZ	J	Ferrite Bead	AB
FB755	RBLN-0037CEZZ	J	Ferrite Bead	AB
FB756	RBLN-0037CEZZ	J	Ferrite Bead	AB
FH701	QFSHD1009CEZZ	J	Fuse Holder, for F701	AA
FH702	QFSHD1010CEZZ	J	Fuse Holder, for F701	AA
⚠ P701	QPLGN0207CEZZ	J	Plug 2-pin, (G)	AA
⚠ P702	QPLGN0404CEZZ	J	Plug 4-pin, (AA)	AB
P703	QSOCN0441CEZZ	J	Socket 4-pin, (XB)	AB
P704	QSOCN0541CEZZ	J	Socket 5-pin, (XC)	AB
P705	QSOCN0541CEZZ	J	Socket 5-pin, (XA)	AB
⚠ P707	QPLGN0304CEZZ	J	Plug 3-pin, (A)	AB
⚠ P708	QPLGN0304CEZZ	J	Plug 3-pin, (AB)	AB
⚠ RY701	RRLYZ0020CEZZ	J	Relay	AN

—— End of PWB-B ——

Ref. No.	Part No.	★	Description	Code

PWB-C DUNTK8549WEV1/V0
CRT SOCKET UNIT

TRANSISTORS

⚠ Q850	VS2SC4544LB1E	J	2SC4544	AD
⚠ Q851	VS2SC4544LB1E	J	2SC4544	AD
⚠ Q852	VS2SC4544LB1E	J	2SC4544	AD
Q853	VS2SC1815GW-1	J	2SC1815(GW)	AB
Q854	VS2SC1815GW-1	J	2SC1815(GW)	AB
Q855	VS2SC1815GW-1	J	2SC1815(GW)	AB
Q856	VS2SA1015Y/1E	J	2SA1015(Y)	AC
Q857	VS2SC1815GW-1	J	2SC1815(GW)	AB
Q858	VS2SA1015Y/1E	J	2SA1015(Y)	AC

DIODES

D850	VHD1SS119//1E	J	1SS119	AA
D851	VHD1SS119//1E	J	1SS119	AA
D852	VHD1SS119//1E	J	1SS119	AA
D853	VHD1SS119//1E	J	1SS119	AA
D854	VHD1SS119//1E	J	1SS119	AA
D855	VHD1SS119//1E	J	1SS119	AA
D856	VHD1SS119//1E	J	1SS119	AA
D857	RH-EX0301CEZZ	J	Zener Diode, 6.2V	AA
D858	VHD1SS119//1E	J	1SS119	AA
D859	VHD1SS119//1E	J	1SS119	AA
D860	VHD1SS119//1E	J	1SS119	AA

COILS

L854	VP-2K470K000K	J	Coil, 47μH	AB
L855	VP-2K470K000K	J	Coil, 47μH	AB
L856	VP-2K470K000K	J	Coil, 47μH	AB

CONTROL

R890	RVR-M4263CEZZ	J	330(B) Sub-Brightness	AD

CAPACITORS

C850	VCEAGA2EW336M	J	33	250V	Electrolytic	AD
⚠ C851	RC-KZ0153CEZZ	J	0.001	3kV	Ceramic	AB
C853	VCKYPA1HB561K	J	560p	50V	Ceramic	AA
C854	VCKYPA1HB271K	J	270p	50V	Ceramic	AA
C855	VCKYPA1HB561K	J	560p (25FX5)	50V	Ceramic	AA
C855	VCKYPA1HB471K	J	470p (29FX5)	50V	Ceramic	AA
C856	VCKYPA1HB471K	J	470p	50V	Ceramic	AA
C857	VCKYPA1HB471K	J	470p	50V	Ceramic	AA
C858	VCKYPA1HB471K	J	470p	50V	Ceramic	AA
C859	VCEAGA1CW107M	J	100	16V	Electrolytic	AB
C860	VCEAGA1CW476M	J	47	16V	Electrolytic	AB
C861	VCKYPA1HF103Z	J	0.01	50V	Ceramic	AA
C862	VCKYPA1HF103Z	J	0.01	50V	Ceramic	AA
C863	VCEAGA1CW106M	J	10	16V	Electrolytic	AA

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CRT SOCKET UNIT (Continued)

CAPACITORS (Continued)

Ref. No.	Part No.	★	Description	Code
C864	VCEAGA1CW226M	J	22 16V Electrolytic	AB

RESISTORS

Ref. No.	Part No.	★	Description	Code
R850	VRC-MA2HG102K	J	1k 1/2W Solid	AA
R851	VRC-MA2HG102K	J	1k 1/2W Solid	AA
R852	VRC-MA2HG102K	J	1k 1/2W Solid	AA
R853	VRS-VV3DB183J	J	18k 2W Metal Oxide	AA
R854	VRS-VV3DB183J	J	18k 2W Metal Oxide	AA
R855	VRS-VV3DB183J	J	18k 2W Metal Oxide	AA
R856	VRS-VV3DB153J	J	15k 2W Metal Oxide	AA
R857	VRS-VV3DB153J	J	15k 2W Metal Oxide	AA
R858	VRS-VV3DB153J	J	15k 2W Metal Oxide	AA
R859	VRC-MA2HG224K	J	220k 1/2W Solid	AA
R860	VRD-RA2EE151J	J	150 1/4W Carbon	AA
R861	VRD-RA2BE221J	J	220 1/8W Carbon	AA
R862	VRD-RA2BE221J	J	220 1/8W Carbon	AA
R863	VRD-RA2BE221J	J	220 1/8W Carbon	AA
R864	VRD-RA2BE471J	J	470 1/8W Carbon	AA
R865	VRD-RA2BE471J	J	470 1/8W Carbon	AA
R866	VRD-RA2BE471J	J	470 1/8W Carbon	AA
R867	VRD-RA2BE121J	J	120 1/8W Carbon	AA
R868	VRD-RA2BE181J	J	180 1/8W Carbon	AA
R869	VRD-RA2BE121J	J	120 1/8W Carbon	AA
R870	VRD-RA2BE181J	J	180 1/8W Carbon	AA
R871	VRD-RA2BE121J	J	120 1/8W Carbon	AA
R872	VRD-RA2BE181J	J	180 1/8W Carbon	AA
R873	VRD-RA2BE471J	J	470 1/8W Carbon	AA
R874	VRD-RA2BE471J	J	470 1/8W Carbon	AA
R875	VRD-RA2BE471J	J	470 1/8W Carbon	AA
R876	VRD-RA2BE561J	J	560 1/8W Carbon	AA
R877	VRD-RA2BE561J	J	560 1/8W Carbon	AA
R878	VRD-RA2BE561J	J	560 1/8W Carbon	AA
R879	VRD-RA2BE101J	J	100 1/8W Carbon	AA
R880	VRD-RA2BE221J	J	220 1/8W Carbon	AA
R881	VRD-RA2BE221J	J	220 1/8W Carbon	AA
R882	VRD-RA2BE101J	J	100 1/8W Carbon	AA
R883	VRD-RA2BE101J	J	100 1/8W Carbon	AA
R884	VRD-RA2BE101J	J	100 1/8W Carbon	AA
R887	VRD-RM2HD471J	J	470 1/2W Carbon	AA
R888	VRD-RA2BE152J	J	1.5k 1/8W Carbon	AA
R889	VRD-RA2BE681J	J	680 1/8W Carbon	AA
R890	*See Control*			
R891	VRD-RA2BE101J	J	100 1/8W Carbon	AA
R892	VRD-RA2BE223J	J	22k 1/8W Carbon	AA
R893	VRD-RA2BE100J	J	10 1/8W Carbon	AA
R894	VRD-RA2BE682J	J	6.8k 1/8W Carbon	AA
R895	VRC-MA2HG335J	J	3.3M 1/2W Solid	AA
R896	VRD-RM2HD100J	J	10 1/2W Carbon	AA

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
CN850	QCNW-1693PEZZ	R	Connecting Wire, (CH)	AG
CN851	QCNW-1735PEZZ	R	Connecting Wire, (KY)	AG
CN852	QCNW-1688PEZZ	R	Connecting Wire, (K857)	AL
P850	QPLGN0341CEZZ	J	Plug 3-pin, (H)	AA
P851	QPLGN0541CEZZ	J	Plug 5-pin, (KY)	AB
⚠ SC850	QSOCV0919CEZZ	J	CRT Socket	AH
SC851	QTiPM0083CEZZ	J	Tip, (L1)	AB
SC852	QTiPM0083CEZZ	J	Tip, (K857)	AB
SC853	QTiPM0083CEZZ	J	Tip, (L2)	AB
SC855	QTiPM0083CEZZ	J	Tip, (L3)	AB

End of PWB-C

PWB-D DUNTK8554WEV2
VCJ UNIT

INTEGRATED CIRCUITS

Ref. No.	Part No.	★	Description	Code
IC2401	VHiTA8889P/-1	J	RGB DAC	AR
IC2851	RH-iX2508CEZZ	J	VCJ	BE
IC2852	VHiTA8772AN-1	J	1H Delay	AV

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q2401	VS2SC1815GW-1	J	2SC1815(GW)	AB
Q2402	VS2SC1815GW-1	J	2SC1815(GW)	AB
Q2404	VS2SA1015Y/1E	J	2SA1015(Y)	AC
Q2405	VS2SA1015Y/1E	J	2SA1015(Y)	AC
Q2411	VS2SC1815GW-1	J	2SC1815(GW)	AB
Q2412	VS2SK30AG//2E	J	2SK30AG	AD
Q2601	VS2SA1015Y/1E	J	2SA1015(Y)	AC
Q2602	VS2SA1015Y/1E	J	2SA1015(Y)	AC
Q2603	VS2SC1815GW-1	J	2SC1815(GW)	AB
Q2604	VS2SC1815GW-1	J	2SC1815(GW)	AB
Q2606	VS2SC1815GW-1	J	2SC1815(GW)	AB
Q2607	VS2SC1815GW-1	J	2SC1815(GW)	AB
Q2851	VS2SC1815GW-1	J	2SC1815(GW)	AB
Q2852	VS2SC1815GW-1	J	2SC1815(GW)	AB

DIODES

Ref. No.	Part No.	★	Description	Code
D2402	VHD1SS119//1E	J	1SS119	AA
D2404	VHD1SS119//1E	J	1SS119	AA
D2407	RH-EX0322CEZZ	J	Zener Diode, 12V	AA
D2408	RH-EX0322CEZZ	J	Zener Diode, 12V	AA
D2409	RH-EX0322CEZZ	J	Zener Diode, 12V	AA
D2410	VHD1SS119//1E	J	1SS119	AA
D2412	RH-EX0301CEZZ	J	Zener Diode, 6.2V	AA
D2413	RH-EX0301CEZZ	J	Zener Diode, 6.2V	AA
D2601	RH-EX0313CEZZ	J	Zener Diode, 9.1V	AA
D2602	VHD1SS119//1E	J	1SS119	AA
D2604	RH-EX0281CEZZ	J	Zener Diode, 3.3V	AA
D2607	RH-EX0291CEZZ	J	Zener Diode, 4.7V	AA
D2851	RH-EX0294CEZZ	J	Zener Diode, 5.1V	AA

PACKAGED CIRCUITS

Ref. No.	Part No.	★	Description	Code
X2851	RCRSB0001PEZZ	R	Crystal, 3.58 MHz	AL
X2852	RCRSB0067CEZZ	J	Crystal, 4.43 MHz	AQ

COIL AND TRANSFORMERS

Ref. No.	Part No.	★	Description	Code
CF2601	RFiLA0034CEZZ	J	Filter, 503 kHz VCO	AD
DL2401	RCiLZ0900CEZZ	R	Coil, Delay Line	AP
L2401	VP-MK330K0000	J	Coil, 33μH	AB
L2402	VP-DF220K0000	J	Coil, 22μH	AB

COIL AND TRANSFORMERS (Continued)

Ref. No.	Part No.	★	Description	Code
L2403	VP-MK220K0000	J	Coil, 22μH	AB
L2851	VP-XF150K0000	J	Coil, 15μH	AB
L2852	VP-XF180K0000	J	Coil, 18μH	AB
L2901	VP-XF120K0000	J	Coil, 12μH	AB

CAPACITORS

Ref. No.	Part No.	★				Code
C2402	VCCCPA1HH270J	J	27p	50V	Ceramiv	AA
C2403	VCEAGA1CW476M	J	47	16V	Electrolytic	AB
C2404	VCCCPA1HH151J	J	150p	50V	Ceramic	AA
C2405	VCCCPA1HH151J	J	150p	50V	Ceramic	AA
C2406	VCEAGA1CW107M	J	100	16V	Electrolytic	AB
C2407	VCQYTA1HM104J	J	0.1	50V	Mylar	AA
C2408	VCEAGA1CW108M	J	1000	16V	Electrolytic	AD
C2409	VCKYPA1HF103Z	J	0.01	16V	Ceramic	AA
C2410	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
C2411	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
C2412	VCKYPA1HF103Z	J	0.01	50V	Ceramic	AA
C2413	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
C2414	VCEAGA1HW105M	J	1	50V	Electrolytic	AC
C2415	VCEAGA1HW105M	J	1	50V	Electrolytic	AC
C2417	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
C2418	VCQYTA1HM104J	J	0.1	50V	Mylar	AA
C2419	VCQYTA1HM104J	J	0.1	50V	Mylar	AA
C2420	VCQYTA1HM104J	J	0.1	50V	Mylar	AA
C2421	VCKYPA1HF103Z	J	0.01	50V	Ceramic	AA
C2422	VCEAGA1CW477M	J	470	16V	Electrolytic	AC
C2423	VCEAGA1HW105M	J	1	50V	Electrolytic	AC
C2424	VCEAGA1HW105M	J	1	50V	Electrolytic	AC
C2425	VCEAGA1HW105M	J	1	50V	Electrolytic	AC
C2426	VCCSPA1HL470J	J	47p	50V	Ceramic	AA
C2427	VCCSPA1HL470J	J	47p	50V	Ceramic	AA
C2428	VCCSPA1HL470J	J	47p	50V	Ceramic	AA
C2429	VCEAGA1CW226M	J	22	16V	Electrolytic	AB
C2432	VCQYTA1HM103J	J	0.01	50V	Mylar	AA
C2433	VCEAGA1CW476M	J	47	16V	Electrolytic	AB
C2434	VCKYPA1HF103Z	J	0.01	50V	Ceramic	AA
C2435	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
C2436	VCCCPA1HH7R0D	J	7p	50V	Ceramic	AA
C2437	VCFYFA1HA474J	J	0.47	50V	M. Polyester	AC
C2601	VCQYTA1HM103J	J	0.01	50V	Mylar	AA
C2602	VCEAGA1CW477M	J	470	16V	Electrolytic	AC
C2603	VCKYPA1HF103Z	J	0.01	50V	Ceramic	AA
C2604	VCEAGA1HW105M	J	1	50V	Electrolytic	AC
C2605	VCEAGA1HW105M	J	1	50V	Electrolytic	AC
C2606	VCQYTA1HM153J	J	0.015	50V	Mylar	AA
C2607	VCEAGA1HW105M	J	1	50V	Electrolytic	AC
C2608	VCQYTA1HM473J	J	0.047	50V	Mylar	AA
C2610	VCEAGA1HW105M	J	1	50V	Electrolytic	AC
C2611	VCCSPA1HL221J	J	220p	50V	Ceramic	AA
C2851	VCQYTA1HM104J	J	0.1	50V	Mylar	AA
C2852	VCEAGA1CW477M	J	470	16V	Electrolytic	AC
C2853	VCCCPA1HH330J	J	33p	50V	Ceramic	AA
C2854	VCCCPA1HH330J	J	33p	50V	Ceramic	AA

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VCJ UNIT (Continued)

CAPACITORS (Continued)

Ref. No.	Part No.	★	Description	Code
C2855	VCKYPA1HF103Z	J	0.01 50V Ceramic	AA
C2856	VCKYPA1HF103Z	J	0.01 50V Ceramic	AA
C2857	VCQYTA1HM104J	J	0.1 50V Mylar	AA
C2858	VCQYTA1HM223J	J	0.022 50V Mylar	AA
C2859	VCKYPA1HF103Z	J	0.01 50V Ceramic	AA
C2860	VCCCPA1HH220J	J	22p 50V Ceramic	AA
C2861	VCCCPA1HH270J	J	27p 50V Ceramiv	AA
C2862	VCCCPA1HH100J	J	10p 50V Ceramic	AA
C2863	VCQYTA1HM223J	J	0.022 50V Mylar	AA
C2864	VCQYTA1HM104J	J	0.1 50V Mylar	AA
C2865	VCQYTA1HM104J	J	0.1 50V Mylar	AA
C2867	VCQYTA1HM104J	J	0.1 50V Mylar	AA
C2868	VCQYTA1HM104J	J	0.1 50V Mylar	AA
C2869	VCQYTA1HM104J	J	0.1 50V Mylar	AA
C2870	VCQYTA1HM104J	J	0.1 50V Mylar	AA
C2871	VCQYTA1HM104J	J	0.1 50V Mylar	AA
C2872	VCEAGA1HW105M	J	1 50V Electrolytic	AC
C2873	VCEAGA1HW225M	J	2.2 50V Electrolytic	AB
C2874	VCEAGA1HW225M	J	2.2 50V Electrolytic	AB
C2875	VCEAGA1CW107M	J	100 16V Electrolytic	AB
C2876	VCEAGA1HW474M	J	0.47 50V Electrolytic	AA
C2877	VCKYPA1HF103Z	J	0.01 50V Ceramic	AA
C2878	VCEAGA1HW474M	J	0.47 50V Electrolytic	AA
C2879	VCEAGA1HW474M	J	0.47 50V Electrolytic	AA
C2880	VCEAGA1CW106M	J	10 16V Electrolytic	AA
C2881	VCQYTA1HM104J	J	0.1 50V Mylar	AA
C2882	VCQYTA1HM104J	J	0.1 50V Mylar	AA
C2883	VCQYTA1HM104J	J	0.1 50V Mylar	AA
C2884	VCKYPA1HF103Z	J	0.01 50V Ceramic	AA
C2885	VCEAGA1CW477M	J	470 16V Electrolytic	AC
C2886	VCQYTA1HM104J	J	0.1 50V Mylar	AA
C2887	VCQYTA1HM104J	J	0.1 50V Mylar	AA
C2888	VCQYTA1HM103J	J	0.01 50V Mylar	AA
C2889	VCEAGA1HW225M	J	2.2 50V Electrolytic	AB
C2891	VCQYTA1HM104J	J	0.1 50V Mylar	AA
C2892	VCQYTA1HM104J	J	0.1 50V Mylar	AA
C2893	VCCCPA1HH120J	J	12p 50V Ceramic	AA
C2896	VCEAGA1HW475M	J	4.7 50V Electrolytic	AB
C2901	VCEAGA1CW477M	J	470 16V Electrolytic	AC
C2902	VCKYPA1HF103Z	J	0.01 50V Ceramic	AA
C2903	VCKYPA1HF103Z	J	0.01 50V Ceramic	AA
C2904	VCQYTA1HM104J	J	0.1 50V Mylar	AA
C2905	VCQYTA1HM223J	J	0.022 50V Mylar	AA
C2906	VCCCPA1HH220J	J	22p 50V Ceramic	AA
C2907	VCCCPA1HH470J	J	47p 50V Ceramic	AA
C2908	VCCCPA1HH820J	J	82p 50V Ceramic	AA
C2909	VCQYTA1HM104J	J	0.1 50V Mylar	AA
C2910	VCCCPA1HH820J	J	82p 50V Ceramic	AA
C2911	VCEAGA1HW105M	J	1 50V Electrolytic	AC

RESISTORS

Ref. No.	Part No.	★	Description	Code
R2401	VRD-RA2BE821J	J	820 1/8W Carbon	AA
R2403	VRD-RA2BE681J	J	680 1/8W Carbon	AA
R2404	VRD-RA2BE821J	J	820 1/8W Carbon	AA
R2405	VRD-RA2BE122J	J	1.2k 1/8W Carbon	AA
R2406	VRD-RA2BE152J	J	1.5k 1/8W Carbon	AA
R2407	VRD-RA2BE271J	J	270 1/8W Carbon	AA
R2408	VRD-RA2BE122J	J	1.2k 1/8W Carbon	AA
R2409	VRD-RM2HD271J	J	270 1/2W Carbon	AA
R2410	VRD-RA2BE272J	J	2.7k 1/8W Carbon	AA
R2411	VRD-RA2BE101J	J	100 1/8W Carbon	AA
R2412	VRD-RA2BE103J	J	10k 1/8W Carbon	AA
R2413	VRD-RA2BE101J	J	100 1/8W Carbon	AA
R2414	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R2415	VRD-RA2BE560J	J	56 1/8W Carbon	AA
R2416	VRD-RA2BE224J	J	220k 1/8W Carbon	AA
R2417	VRD-RA2BE564J	J	560k 1/8W Carbon	AA
R2418	VRD-RA2BE332J	J	3.3k 1/8W Carbon	AA
R2420	VRD-RA2BE332J	J	3.3k 1/8W Carbon	AA
R2425	VRD-RA2BE472J	J	4.7k 1/8W Carbon	AA
R2426	VRD-RA2BE472J	J	4.7k 1/8W Carbon	AA
R2427	VRD-RA2BE153J	J	15k 1/8W Carbon	AA
R2428	VRD-RA2BE272J	J	2.7k 1/8W Carbon	AA
R2429	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R2430	VRD-RA2BE103J	J	10k 1/8W Carbon	AA
R2431	VRD-RA2BE152J	J	1.5k 1/8W Carbon	AA
R2432	VRD-RA2BE822J	J	8.2k 1/8W Carbon	AA
R2433	VRD-RA2BE221J	J	220 1/8W Carbon	AA
R2434	VRD-RA2BE221J	J	220 1/8W Carbon	AA
R2435	VRD-RA2BE221J	J	220 1/8W Carbon	AA
R2436	VRD-RA2BE101J	J	100 1/8W Carbon	AA
R2437	VRD-RA2BE101J	J	100 1/8W Carbon	AA
R2447	VRD-RA2BE561J	J	560 1/8W Carbon	AA
R2448	VRD-RA2BE561J	J	560 1/8W Carbon	AA
R2449	VRD-RA2BE103J	J	10k 1/8W Carbon	AA
R2450	VRD-RA2BE561J	J	560 1/8W Carbon	AA
R2451	VRD-RA2BE474J	J	470k 1/8W Carbon	AA
R2453	VRD-RA2BE474J	J	470k 1/8W Carbon	AA
R2454	VRD-RA2BE473J	J	47k 1/8W Carbon	AA
R2455	VRD-RA2BE473J	J	47k 1/8W Carbon	AA
R2456	VRD-RA2BE103J	J	10k 1/8W Carbon	AA
R2457	VRD-RA2BE152J	J	1.5k 1/8W Carbon	AA
R2459	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R2460	VRD-RA2BE104J	J	100k 1/8W Carbon	AA
R2461	VRD-RA2BE393J	J	39k 1/8W Carbon	AA
R2601	VRD-RA2BE822J	J	8.2k 1/8W Carbon	AA
R2602	VRD-RM2HD560J	J	56 1/2W Carbon	AA
R2603	VRD-RM2HD560J	J	56 1/2W Carbon	AA
R2604	VRD-RA2BE101J	J	100 1/8W Carbon	AA
R2605	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R2606	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R2607	VRD-RA2BE331J	J	330 1/8W Carbon	AA
R2608	VRD-RA2BE472J	J	4.7k 1/8W Carbon	AA
R2609	VRD-RA2BE101J	J	100 1/8W Carbon	AA
R2610	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R2611	VRD-RA2BE100J	J	10 1/8W Carbon	AA

Ref. No.	Part No.	★	Description	Code

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VCJ UNIT (Continued)

RESISTORS (Continued)

R2612	VRD-RA2BE471J	J	470 1/8W Carbon	AA
R2613	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R2614	VRD-RA2BE394J	J	390k 1/8W Carbon	AA
R2615	VRD-RA2BE332J	J	3.3k 1/8W Carbon	AA
R2616	VRD-RA2BE222J	J	2.2k 1/8W Carbon	AA
R2617	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R2619	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R2620	VRD-RA2BE222J	J	2.2k 1/8W Carbon	AA
R2621	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R2622	VRD-RA2BE103J	J	10k 1/8W Carbon	AA
R2627	VRD-RM2HD101J	J	100 1/2W Carbon	AA
R2630	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R2631	VRD-RA2EE475J	J	4.7M 1/4W Carbon	AA
R2852	VRD-RA2BE821J	J	820 1/8W Carbon	AA
R2854	VRD-RA2BE122J	J	1.2k 1/8W Carbon	AA
R2855	VRD-RA2BE222J	J	2.2k 1/8W Carbon	AA
R2857	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R2858	VRD-RM2HD121J	J	120 1/2W Carbon	AA
R2859	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R2860	VRD-RA2BE103J	J	10k 1/8W Carbon	AA
R2861	VRD-RA2BE332J	J	3.3k 1/8W Carbon	AA
R2862	VRD-RA2BE101J	J	100 1/8W Carbon	AA
R2863	VRD-RA2BE101J	J	100 1/8W Carbon	AA
R2864	VRD-RA2BE103J	J	10k 1/8W Carbon	AA
R2865	VRD-RA2BE103J	J	10k 1/8W Carbon	AA
R2866	VRD-RA2BE473J	J	47k 1/8W Carbon	AA
R2867	VRD-RA2BE473J	J	47k 1/8W Carbon	AA
R2868	VRD-RA2BE182J	J	1.8k 1/8W Carbon	AA
R2869	VRD-RA2BE221J	J	220 1/8W Carbon	AA
R2870	VRD-RA2BE104J	J	100k 1/8W Carbon	AA
R2871	VRD-RU2EE222J	J	2.2k 1/4W Carbon	AA
R2901	VRD-RA2BE182J	J	1.8k 1/8W Carbon	AA

MISCELLANEOUS PARTS

P2401	QPLGN0241CEZZ	J	Plug 2-pin, (YX)	AA
P2851	QPLGN0541CEZZ	J	Plug 5-pin, (KY)	AA
P2852	QPLGN0985CEZZ	J	Plug 9-pin, (YC)	AC
P2853	QPLGN0885CEZZ	J	Plug 8-pin, (YB)	AC
P2854	QPLGN0985CEZZ	J	Plug 9-pin, (YA)	AC
P2855	QPLGN0341CEZZ	J	Plug 3-pin, (PI)	AA

—— End of PWB-D ——

Ref. No.	Part No.	★	Description	Code

PWB-E DUNTK8556WEV0
AV UNIT

INTEGRATED CIRCUITS

IC1301	RH-iX0257CEZZ	J		AF
IC1401	VHiTA8777AN-1	J		AU
IC1601	VHiAN5421//-1	J		AH

TRANSISTORS

Q1301	VS2SC1815GW-1	J	2SC1815(GW)	AB
Q1302	VS2SC1815GW-1	J	2SC1815(GW)	AB
Q1401	VS2SA1015Y/1E	J	2SA1015(Y)	AC
Q1402	VS2SC1815GW-1	J	2SC1815(GW)	AB
Q1403	VS2SC1815GW-1	J	2SC1815(GW)	AB
Q1404	VS2SA1015Y/1E	J	2SA1015(Y)	AC
Q1405	VS2SA1015Y/1E	J	2SA1015(Y)	AC
Q1406	VS2SC1815GW-1	J	2SC1815(GW)	AB
Q1407	VS2SC1815GW-1	J	2SC1815(GW)	AB
Q1408	VS2SC1815GW-1	J	2SC1815(GW)	AB
Q1409	VS2SC1815GW-1	J	2SC1815(GW)	AB
Q1410	VS2SA1015Y/1E	J	2SA1015(Y)	AC
Q1411	VS2SC1815GW-1	J	2SC1815(GW)	AB
Q1414	VS2SC1815GW-1	J	2SC1815(GW)	AB
Q1415	VS2SC1815GW-1	J	2SC1815(GW)	AB
Q1602	VS2SC1815GW-1	J	2SC1815(GW)	AB
Q1603	VS2SC1815GW-1	J	2SC1815(GW)	AB

DIODES

D1306	RH-EX0322CEZZ	J	Zener Diode, 12V	AA
D1307	RH-EX0322CEZZ	J	Zener Diode, 12V	AA
D1401	RH-EX0313CEZZ	J	Zener Diode, 9.1V	AA
D1402	VHD1SS119//1E	J	1SS119	AA
D1403	VHD1SS119//1E	J	1SS119	AA
D1404	VHD1SS119//1E	J	1SS119	AA
D1405	VHD1SS119//1E	J	1SS119	AA
D1406	RH-EX0313CEZZ	J	Zener Diode, 9.1V	AA
D1407	RH-EX0301CEZZ	J	Zener Diode, 6.2V	AA
D1408	RH-EX0301CEZZ	J	Zener Diode, 6.2V	AA

COIL AND TRANSFORMERS

CF1401	RFiLC0286CEZZ	J	Ceramic Filter, 4.43 MHz	AE
CF1402	RFiLC0024CEZZ	J	Ceramic Filter, 6.5 MHz	AE
CF1403	RFiLC0002AJZZ	J	Ceramic Filter, 4.5 MHz	AD
CF1404	RFiLC0228CEZZ	J	Ceramic Filter	AF
DL1401	RCiLZ0861CEZZ	J	Delay Line	AT
L1401	VP-DF100K0000	J	Coil, 10μH	AB
L1402	VP-XF100K0000	J	Coil, 10μH	AB
L1403	VP-XF8R2K0000	J	Coil, 8.2μH	AB
L1404	VP-XF150K0000	J	Coil, 15μH	AB
L1405	VP-XF151K0000	J	Coil, 150μH	AB
L1406	VP-XF150K0000	J	Coil, 15μH	AB
T1401	RCiLi0512CEZZ	J	IF Coil	AE
T1402	RCiLi0520CEZZ	J	IF Coil	AE

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AV UNIT (Continued)

CONTROL

Ref. No.	Part No.	★	Description	Code
R1605	RVR-M4622GEZZ	J	2.2k(B) Sync. Freq. Adj.	AB

CAPACITORS

Ref. No.	Part No.	★				Code
C1301	VCKYPA1HB102K	J	1000p	50V	Ceramic	AA
C1302	VCKYPA1HB102K	J	1000p	50V	Ceramic	AA
C1303	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
C1304	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
C1305	VCKYPA1HB102K	J	1000p	50V	Ceramic	AA
C1306	VCKYPA1HB102K	J	1000p	50V	Ceramic	AA
C1307	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
C1308	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
C1309	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
C1310	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
C1311	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
C1312	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
C1313	VCKYPA1HB102K	J	1000p	50V	Ceramic	AA
C1314	VCKYPA1HB102K	J	1000p	50V	Ceramic	AA
C1315	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
C1316	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
C1319	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
C1320	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
C1321	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
C1322	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
C1323	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
C1325	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
C1326	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
C1327	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
C1328	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
C1329	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
C1330	VCKYPA1HF103Z	J	0.01	50V	Ceramic	AA
C1331	VCKYPA1HF103Z	J	0.01	50V	Ceramic	AA
C1401	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
C1402	VCKYPA1HF103Z	J	0.01	50V	Ceramic	AA
C1405	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
C1406	VCEAGA1CW108M	J	1000	16V	Electrolytic	AD
C1407	VCEAGA1HW105M	J	1	50V	Electrolytic	AC
C1408	VCEAGA1CW477M	J	470	16V	Electrolytic	AC
C1409	VCKYPA1HF103Z	J	0.01	50V	Ceramic	AA
C1410	VCEAGA1CW107M	J	100	16V	Electrolytic	AB
C1411	VCCCPA1HH470J	J	47p	50V	Ceramic	AA
C1412	VCKYPA1HF103Z	J	0.01	50V	Ceramic	AA
C1413	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
C1414	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
C1415	VCKYPA1HF103Z	J	0.01	50V	Ceramic	AA
C1416	VCKYPA1HF103Z	J	0.01	50V	Ceramic	AA
C1417	VCEAGA1CW477M	J	470	16V	Electrolytic	AC
C1418	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
C1419	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
C1420	VCEAGA1CW107M	J	100	16V	Electrolytic	AB
C1421	VCKYPA1HF103Z	J	0.01	50V	Ceramic	AA
C1422	VCEAGA1CW106M	J	10	16V	Electrolytic	AA

CAPACITORS (Continued)

Ref. No.	Part No.	★				Code
C1423	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
C1424	VCCCPA1HH820J	J	82p	50V	Ceramic	AA
C1425	VCEAGA1CW107M	J	100	16V	Electrolytic	AB
C1426	VCKYPA1HF103Z	J	0.01	50V	Ceramic	AA
C1427	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
C1429	VCCCPA1HH470J	J	47p	50V	Ceramic	AA
C1430	VCEAGA1HW335M	J	3.3	50V	Electrolytic	AB
C1431	VCKYPA1HF103Z	J	0.01	50V	Ceramic	AA
C1432	VCCCPA1HH100J	J	10p	50V	Ceramic	AA
C1435	VCCCPA1HH680J	J	68p	50V	Ceramic	AA
C1436	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
C1437	VCCCPA1HH101J	J	100p	50V	Ceramic	AA
C1601	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
C1602	VCQYTA1HM392J	J	3900p	50V	Mylar	AA
C1603	VCQYTA1HM103J	J	0.01	50V	Mylar	AA
C1604	VCEAGA1CW107M	J	100	16V	Electrolytic	AB
C1605	VCQYTA1HM272J	J	2700p	50V	Mylar	AA
C1606	VCQRBA1HA562J	J	5600p	50V	Polypro Film	AD
C1607	VCQYTA1HM103J	J	0.01	50V	Mylar	AA
C1608	VCEAGA1HW105M	J	1	50V	Electrolytic	AC
C1609	VCEACA1HC105M	J	1	50V	Electrolytic	AC
C1610	VCKYPA1HF103Z	J	0.01	50V	Ceramic	AA
C1611	VCEAGA1HW225M	J	2.2	50V	Electrolytic	AB

RESISTORS

Ref. No.	Part No.	★				Code
R1301	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R1302	VRD-RA2BE564J	J	560k	1/8W	Carbon	AA
R1303	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R1304	VRD-RA2BE564J	J	560k	1/8W	Carbon	AA
R1305	VRD-RA2BE101J	J	100	1/8W	Carbon	AA
R1306	VRD-RA2BE101J	J	100	1/8W	Carbon	AA
R1307	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R1308	VRD-RA2BE564J	J	560k	1/8W	Carbon	AA
R1309	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R1310	VRD-RA2BE564J	J	560k	1/8W	Carbon	AA
R1311	VRD-RA2BE101J	J	100	1/8W	Carbon	AA
R1312	VRD-RA2BE101J	J	100	1/8W	Carbon	AA
R1313	VRD-RA2BE104J	J	100k	1/8W	Carbon	AA
R1314	VRD-RA2BE331J	J	330	1/8W	Carbon	AA
R1315	VRD-RA2BE331J	J	330	1/8W	Carbon	AA
R1316	VRD-RA2BE104J	J	100k	1/8W	Carbon	AA
R1317	VRD-RA2BE331J	J	330	1/8W	Carbon	AA
R1318	VRD-RA2BE331J	J	330	1/8W	Carbon	AA
R1319	VRD-RA2BE473J	J	47k	1/8W	Carbon	AA
R1320	VRD-RA2BE472J	J	4.7k	1/8W	Carbon	AA
R1321	VRD-RA2BE473J	J	47k	1/8W	Carbon	AA
R1322	VRD-RA2BE472J	J	4.7k	1/8W	Carbon	AA
R1323	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R1324	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R1325	VRD-RA2BE564J	J	560k	1/8W	Carbon	AA
R1326	VRD-RA2BE564J	J	560k	1/8W	Carbon	AA
R1327	VRD-RA2BE473J	J	47k	1/8W	Carbon	AA
R1328	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA

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AV UNIT (Continued)

RESISTORS (Continued)

Ref. No.	Part No.	★	Description	Code
R1329	VRD-RA2BE101J	J	100 1/8W Carbon	AA
R1330	VRD-RA2BE101J	J	100 1/8W Carbon	AA
R1331	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R1332	VRD-RA2EE100J	J	10 1/4W Carbon	AA
R1333	VRD-RA2BE332J	J	3.3k 1/8W Carbon	AA
R1334	VRD-RA2BE103J	J	10k 1/8W Carbon	AA
R1335	VRD-RA2BE332J	J	3.3k 1/8W Carbon	AA
R1336	VRD-RA2BE103J	J	10k 1/8W Carbon	AA
R1337	VRD-RA2BE331J	J	330 1/8W Carbon	AA
R1338	VRD-RA2BE331J	J	330 1/8W Carbon	AA
R1401	VRD-RA2EE750J	J	75 1/4W Carbon	AA
R1402	VRD-RA2BE101J	J	100 1/8W Carbon	AA
R1403	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R1404	VRD-RA2EE750J	J	75 1/4W Carbon	AA
R1405	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R1406	VRD-RA2EE750J	J	75 1/4W Carbon	AA
R1407	VRD-RA2BE101J	J	100 1/8W Carbon	AA
R1408	VRD-RA2BE103J	J	10k 1/8W Carbon	AA
R1409	VRD-RA2EE750J	J	75 1/4W Carbon	AA
R1410	VRD-RA2BE101J	J	100 1/8W Carbon	AA
R1411	VRD-RA2EE221J	J	220 1/4W Carbon	AA
R1412	VRD-RM2HD471J	J	470 1/2W Carbon	AA
R1413	VRD-RA2BE101J	J	100 1/8W Carbon	AA
R1415	VRD-RA2BE223J	J	22k 1/8W Carbon	AA
R1416	VRD-RA2BE473J	J	47k 1/8W Carbon	AA
R1417	VRD-RA2BE473J	J	47k 1/8W Carbon	AA
R1418	VRD-RA2BE331J	J	330 1/8W Carbon	AA
R1420	VRD-RA2BE151J	J	150 1/8W Carbon	AA
R1421	VRD-RA2BE271J	J	270 1/8W Carbon	AA
R1422	VRD-RA2BE101J	J	100 1/8W Carbon	AA
R1424	VRD-RA2BE101J	J	100 1/8W Carbon	AA
R1425	VRD-RA2BE101J	J	100 1/8W Carbon	AA
R1426	VRD-RA2BE101J	J	100 1/8W Carbon	AA
R1427	VRD-RM2HD271J	J	270 1/2W Carbon	AA
R1428	VRD-RM2HD271J	J	270 1/2W Carbon	AA
R1430	VRD-RA2BE331J	J	330 1/8W Carbon	AA
R1431	VRD-RA2BE221J	J	220 1/8W Carbon	AA
R1432	VRD-RA2EE471J	J	470 1/4W Carbon	AA
R1433	VRD-RA2EE471J	J	470 1/4W Carbon	AA
R1434	VRD-RA2BE101J	J	100 1/8W Carbon	AA
R1436	VRD-RA2BE561J	J	560 1/8W Carbon	AA
⚠ R1438	VRG-RF2EB100J	J	10 1/4W Fuse Resistor	AB
R1439	VRD-RA2BE562J	J	5.6k 1/8W Carbon	AA
R1440	VRD-RA2BE103J	J	10k 1/8W Carbon	AA
R1441	VRD-RA2EE561J	J	560 1/4W Carbon	AA
R1442	VRD-RA2BE330J	J	33 1/8W Carbon	AA
R1443	VRD-RA2BE330J	J	33 1/8W Carbon	AA
R1444	VRD-RA2BE561J	J	560 1/8W Carbon	AA
R1445	VRD-RM2HD221J	J	220 1/2W Carbon	AA
R1446	VRD-RA2EE331J	J	330 1/4W Carbon	AA
R1447	VRD-RA2BE101J	J	100 1/8W Carbon	AA
R1448	VRD-RA2BE101J	J	100 1/8W Carbon	AA
R1449	VRD-RA2BE101J	J	100 1/8W Carbon	AA
R1450	VRD-RA2BE123J	J	12k 1/8W Carbon	AA
R1451	VRD-RA2BE153J	J	15k 1/8W Carbon	AA
R1452	VRD-RM2HD471J	J	470 1/2W Carbon	AA
R1453	VRD-RA2BE392J	J	3.9k 1/8W Carbon	AA
R1454	VRD-RA2BE681J	J	680 1/8W Carbon	AA
R1462	VRD-RA2BE221J	J	220 1/8W Carbon	AA
R1463	VRD-RA2BE561J	J	560 1/8W Carbon	AA
R1464	VRD-RA2BE331J	J	330 1/8W Carbon	AA
R1465	VRD-RA2BE103J	J	10k 1/8W Carbon	AA
R1466	VRD-RA2BE562J	J	5.6k 1/8W Carbon	AA
R1467	VRD-RA2BE122J	J	1.2k 1/8W Carbon	AA
R1468	VRD-RA2BE182J	J	1.8k 1/8W Carbon	AA
R1469	VRD-RA2BE101J	J	100 1/8W Carbon	AA
R1601	VRD-RA2BE472J	J	4.7k 1/8W Carbon	AA
R1602	VRD-RA2BE562J	J	5.6k 1/8W Carbon	AA
R1603	VRD-RA2BE151J	J	150 1/8W Carbon	AA
R1604	VRD-RA2BE104J	J	100k 1/8W Carbon	AA
R1605	*See Control*			
R1606	VRD-RA2BE562J	J	5.6k 1/8W Carbon	AA
R1607	VRD-RA2BE104J	J	100k 1/8W Carbon	AA
R1608	VRD-RA2BE332J	J	3.3k 1/8W Carbon	AA
R1609	VRD-RA2BE682J	J	6.8k 1/8W Carbon	AA
R1610	VRD-RA2BE393J	J	39k 1/8W Carbon	AA
R1611	VRD-RA2BE222J	J	2.2k 1/8W Carbon	AA
R1612	VRD-RA2BE393J	J	39k 1/8W Carbon	AA
R1616	VRD-RA2BE103J	J	10k 1/8W Carbon	AA
R1618	VRD-RA2BE103J	J	10k 1/8W Carbon	AA
R1619	VRD-RA2BE103J	J	10k 1/8W Carbon	AA
R1620	VRD-RA2BE223J	J	22k 1/8W Carbon	AA
⚠ R1621	VRG-RF2EB100J	J	10 1/4W Fuse Resistor	AB

MISCELLANEOUS PARTS

CN1105	QCNW-1711PEZZ	R	Connecting Wire	AM
⚠ J1401	QSOCD0427CEZZ	J	Jack, S-Video In	AL
⚠ J1402	QTANJ0937CEZZ	J	AV Terminal	AL
P1401	QPLGN0541CEZZ	J	Plug 5-pin, (VR)	AB
SC1402	QSOCN0887CEZZ	J	Socket 8-pin, (VA)	AC
SC1403	QSOCN0887CEZZ	J	Socket 8-pin, (VB)	AC
SC1404	QSOCN0887CEZZ	J	Socket 8-pin, (VC)	AC

—— End of PWB-E ——

PWB-F DUNTK8555WEV0
FINE UNIT

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q1501	VS2SC1815GW-1	J	2SC1815(GW)	AB
Q1502	VS2SC1815GW-1	J	2SC1815(GW)	AB
Q1503	VS2SC1815YW-1	J	2SC1815(YW)	AC
Q1504	VS2SC1906//1E	J	2SC1906	AC
Q1505	VS2SC1815GW-1	J	2SC1815(GW)	AB
Q1506	VS2SA1015Y/1E	J	2SA1015(Y)	AC
Q1507	VS2SA968Y//-1	J	2SA968(Y)	AF
Q1508	VS2SC2238Y/-1	J	2SC2238(Y)	AF

DIODES

Ref. No.	Part No.	★	Description	Code
D1501	VHD1SS119//1E	J	1SS119	AA
D1502	VHD1SS119//1E	J	1SS119	AA
D1505	RH-DX0086TAZZ	J		AC
D1506	RH-DX0086TAZZ	J		AC

COILS

Ref. No.	Part No.	★	Description	Code
L1501	VP-XF101K0000	J	Col, 100μH	AB
L1503	VP-XF220K0000	J	Col, 22μH	AB

CAPACITORS

Ref. No.	Part No.	★				Code
C1501	VCEAGA1CW476M	J	47	16V	Electrolytic	AB
C1502	VCQYTA1HM103J	J	0.01	50V	Mylar	AA
C1504	VCKYPA1HF103Z	J	0.01	50V	Ceramic	AA
C1507	VCCCPA1HH820J	J	82p	50V	Ceramic	AA
C1508	VCKYPA1HF103Z	J	0.01	50V	Ceramic	AA
C1511	VCCSPA1HL820J	J	82p	50V	Ceramic	AA
C1512	VCQYSH2DM472K	J	4700p	200V	Mylar	AB
C1513	VCKYPA1HF103Z	J	0.01	50V	Ceramic	AA
C1514	VCEAGA1CW107M	J	100	16V	Electrolytic	AB
C1515	VCEAGA2CW106M	J	10	160V	Electrolytic	AC
C1516	VCEAGA1CW107M	J	100	16V	Electrolytic	AB
C1517	VCEAGA2CW106M	J	10	160V	Electrolytic	AC
C1518	VCCSPA2HL560K	J	56p	500V	Ceramic	AA
C1519	VCQYTA1HM472J	J	4700p	50V	Mylar	AB
C1520	VCCSPA1HL820J	J	82p	50V	Ceramic	AA
C1521	VCCSPA1HL181J	J	180p	50V	Ceramic	AA
C1522	VCQYTA1HM152J	J	1500p	50V	Mylar	AA

RESISTORS

Ref. No.	Part No.	★				Code
R1501	VRD-RM2HD100J	J	10	1/2W	Carbon	AA
R1502	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R1503	VRD-RA2BE223J	J	22k	1/8W	Carbon	AA
R1504	VRD-RA2BE821J	J	820	1/8W	Carbon	AA
R1505	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA

RESISTORS (Continued)

Ref. No.	Part No.	★				Code
R1506	VRD-RA2BE561J	J	560	1/8W	Carbon	AA
R1507	VRD-RA2BE471J	J	470	1/8W	Carbon	AA
R1508	VRD-RA2BE223J	J	22k	1/8W	Carbon	AA
R1509	VRD-RA2BE471J	J	470	1/8W	Carbon	AA
R1510	VRD-RA2BE390J	J	39	1/8W	Carbon	AA
R1511	VRD-RA2BE182J	J	1.8k	1/8W	Carbon	AA
R1516	VRD-RA2BE100J	J	10	1/8W	Carbon	AA
R1517	VRD-RA2BE820J	J	82	1/8W	Carbon	AA
R1518	VRS-VV3AB471J	J	470	1W	Metal Oxide	AA
R1519	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R1520	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R1521	VRD-RA2BE123J	J	12k	1/8W	Carbon	AA
R1522	VRD-RA2BE683J	J	68k	1/8W	Carbon	AA
R1523	VRD-RA2EE560J	J	56	1/4W	Carbon	AA
R1524	VRD-RA2EE2R7J	J	2.7	1/4W	Carbon	AA
R1525	VRS-VV3DB221J	J	220	2W	Metal Oxide	AA
R1526	VRD-RA2EE2R7J	J	2.7	1/4W	Carbon	AA
R1527	VRD-RA2EE560J	J	56	1/4W	Carbon	AA
R1529	VRD-RA2BE820J	J	82	1/8W	Carbon	AA
R1530	VRD-RA2BE153J	J	15k	1/8W	Carbon	AA
R1531	VRD-RA2BE683J	J	68k	1/8W	Carbon	AA
R1532	VRD-RA2BE561J	J	560	1/8W	Carbon	AA

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
FB1501	RBLN-0027CEZZ	J	Ferrite Bead	AD
P1501	QPLGN0741CEZZ	J	Plug 7-pin, (P)	AC
	PMAGF3018CEZZ	J	Purity Magnet	AQ

—— End of PWB-F ——

Ref. No.	Part No.	★	Description	Code

PWB-G DUNTK8551WEV0
CONTROL UNIT

INTEGRATED CIRCUIT

IC1101	VHiUPC358C/-1	J		AD

TRANSISTORS

Q1101	VS2SA1015Y/1E	J	2SA1015(Y)	AC
Q1102	VS2SC1815GW-1	J	2SC1815(GW)	AB
Q1103	VS2SC1815GW-1	J	2SC1815(GW)	AB
Q1104	VS2SC1815GW-1	J	2SC1815(GW)	AB
Q1105	VS2SC1815GW-1	J	2SC1815(GW)	AB
Q1106	VS2SC1815GW-1	J	2SC1815(GW)	AB

DIODES

D1101	VHD1SS119//1E	J	1SS119	AA
D1102	VHD1SS119//1E	J	1SS119	AA
D1103	RH-PX0291CEZZ	J	LED, Power ON/OFF	AC
D1104	RH-PX0274CEZZ	J	LED, On Timer	AC
D1105	RH-PX0291CEZZ	J	LED, MPX BR./FO.	AC
D1106	RH-PX0274CEZZ	J	LED, OPC	AC
D1107	VHD1SS119//1E	J	1SS119	AA
D1108	RH-EX0310CEZZ	J	Zener Diode, 8.2V	AA

CAPACITORS

C1101	VCKYPA1HF103Z	J	0.01	50V	Ceramic	AA
C1102	VCEAGA0JW107M	J	100	6.3V	Electrolytic	AB
C1103	VCEAGA1AW107M	J	100	10V	Electrolytic	AB
C1104	VCQYTA1HM473J	J	0.047	50V	Mylar	AA

RESISTORS

R1101	VRD-RA2BE101J	J	100	1/8W	Carbon	AA
R1102	VRD-RA2BE101J	J	100	1/8W	Carbon	AA
R1103	VRD-RM2HD821J	J	820	1/2W	Carbon	AA
R1104	VRD-RA2BE103J	J	10k	1/8W	Carbon	AA
R1105	VRD-RA2EE225J	J	2.2M	1/4W	Carbon	AA
R1106	VRD-RA2BE224J	J	220k	1/8W	Carbon	AA
R1107	VRD-RA2BE333J	J	33k	1/8W	Carbon	AA
R1108	VRD-RA2BE822J	J	8.2k	1/8W	Carbon	AA
R1109	VRD-RA2BE123J	J	12k	1/8W	Carbon	AA
R1110	VRD-RA2BE333J	J	33k	1/8W	Carbon	AA
R1111	VRD-RA2BE333J	J	33k	1/8W	Carbon	AA
R1113	VRD-RA2EE122J	J	1.2k	1/4W	Carbon	AA
R1115	VRD-RA2BE472J	J	4.7k	1/8W	Carbon	AA
R1116	VRD-RA2BE682J	J	6.8k	1/8W	Carbon	AA
R1117	VRD-RA2BE391J	J	390	1/8W	Carbon	AA
R1118	VRD-RA2BE391J	J	390	1/8W	Carbon	AA
R1119	VRD-RA2BE391J	J	390	1/8W	Carbon	AA
R1120	VRD-RA2BE391J	J	390	1/8W	Carbon	AA
R1121	VRD-RA2BE103J	J	10k	1/8W	Carbon	AA
R1122	VRD-RA2BE103J	J	10k	1/8W	Carbon	AA
R1123	VRD-RA2BE103J	J	10k	1/8W	Carbon	AA

Ref. No.	Part No.	★	Description	Code

RESISTORS (Continued)

R1124	VRD-RA2BE103J	J	10k	1/8W	Carbon	AA
R1126	VRD-RA2EE750J	J	75	1/4W	Carbon	AA
R1127	VRD-RA2BE822J	J	8.2k	1/8W	Carbon	AA
R1128	VRD-RA2BE123J	J	12k	1/8W	Carbon	AA
R1129	VRD-RA2BE223J	J	22k	1/8W	Carbon	AA
R1130	VRD-RA2BE103J	J	10k	1/8W	Carbon	AA
R1131	VRD-RA2BE103J	J	10k	1/8W	Carbon	AA
R1132	VRD-RA2BE391J	J	390	1/8W	Carbon	AA

SWITCHES

S1101	QSW-K0095CEZZ	J	Channel Up	AB
S1102	QSW-K0095CEZZ	J	Channel Down	AB
S1103	QSW-K0095CEZZ	J	Volume Up	AB
S1104	QSW-K0095CEZZ	J	Volume Down	AB
S1105	QSW-K0095CEZZ	J	Pre-Set	AB
⚠ S1701	QSW-P0588CEZZ	R	Main's Power	AP

MISCELLANEOUS PARTS

E1101	UBATZ0003CEZZ	J	OPC Cell	AG
P1101	QPLGN0841CEZZ	J	Plug 8-pin, (RC)	AB
P1102	QPLGN0641CEZZ	J	Plug 6-pin, (LE)	AB
⚠ P1706	QPLGN0404CEZZ	J	Plug 4-pin, (AA)	AB
RMC1101	RRMCU0210CEZZ	J	Remote Control Receiver	AK
	LHLDP1040PE00	R	LED Holder	AD
	LHLDZ0088PEZZ	R	OPC Holder	AD

—— End of PWB-G ——

PWB-H DUNTK8552WEV0
FRONT AV UNIT

RESISTOR

R1126	VRD-RA2EE750J	J	75	1/4W	Carbon	AA

MISCELLANEOUS PARTS

⚠ J1101	QJAKE0144CEZZ	J	Jack, Video In	AF
⚠ J1102	QJAKE0145CEZZ	J	Jack, Audio In (L)	AF
⚠ J1103	QJAKE0143CEZZ	J	Jack, Audio In (R)	AG
P1105	QPLGN0541CEZZ	J	Plug 5-pin, (VR)	AB

—— End of PWB-H ——

PWB-I DUNTK8557WEV1
SUB-POWER UNIT

Ref. No.	Part No.	★	Description	Code
INTRGRATED CIRCUITS				
⚠IC1701	VHiSTRS6707-1	R		AR
⚠IC1702	RH-FX0024CEZZ	J	Photo Coupler, PC113L	AG
TRANSISTORS				
⚠Q1701	VS2SC2168Y/1E	J	2SC2168(Y)	AG
Q1702	VS2SC1815GW-1	J	2SC1815(GW)	AB
DIODES				
⚠D1701	RH-DX0279CEZZ	J		AB
⚠D1702	RH-DX0279CEZZ	J		AB
⚠D1703	RH-DX0279CEZZ	J		AB
⚠D1704	RH-DX0279CEZZ	J		AB
⚠D1705	RH-DX0164CEZZ	J		AC
⚠D1706	RH-DX0279CEZZ	J		AB
⚠D1707	RH-DX0130CEZZ	J		AE
⚠D1708	RH-DX0130CEZZ	J		AE
⚠D1710	RH-DX0130CEZZ	J		AE
⚠D1711	RH-DX0130CEZZ	J		AE
D1713	RH-DX0131CEZZ	J		AC
D1714	RH-DX0445CEZZ	R		AL
⚠D1715	RH-DX0130CEZZ	J		AE
⚠D1716	RH-EX0301CEZZ	J	Zener Diode, 6.3V	AA
D1717	RH-EX0291CEZZ	J	Zener Diode	AA
COIL AND TRANSFORMERS				
L1701	RCiLP0106CEZZ	J	Peaking Coil	AE
L1702	RCiLP0106CEZZ	J	Peaking Coil	AE
L1703	RCiLP0106CEZZ	J	Peaking Coil	AE
⚠L1704	RCiLF0166CEZZ	J	Line Filter	AQ
⚠T1701	RTRNZ0071PEZZ	R	Trans.	AX
CONTROL				
R1719	RVR-M4618GEZZ	J	470(B)	AB
CAPACITORS				
⚠C1701	RC-KZ0029CEZZ	J	0.01 AC250V Ceramic	AC
⚠C1702	RC-KZ0029CEZZ	J	0.01 AC250V Ceramic	AC
⚠C1703	RC-KZ0029CEZZ	J	0.01 AC250V Ceramic	AC
⚠C1704	RC-KZ0029CEZZ	J	0.01 AC250V Ceramic	AC
⚠C1705	RC-EZ0191CEZZ	J	330 400V Electrolytic	AS
⚠C1706	VCQPSC2JA333K	J	0.033 630V Polypro Film	AB
⚠C1707	VCKYPH3DB561K	J	560p 2kV Ceramic	AC
⚠C1708	VCKYPH3DB561K	J	560p 2kV Ceramic	AC
⚠C1709	VCEAGA1HW227M	J	220 50V Electrolytic	AC
⚠C1710	VCQYTA1HM102J	J	1000p 50V Mylar	AA
⚠C1711	VCEAGA1EW107M	J	100 25V Electrolytic	AD
⚠C1712	VCKYPH3DB561K	J	560p 2kV Ceramic	AC

Ref. No.	Part No.	★	Description	Code
CAPACITORS (Continued)				
⚠C1713	RC-KZ0057CEZZ	J	1500p 2kV Ceramic	AD
C1714	RC-EZ0322CEZZ	J	1000 25V Electrolytic	AE
C1715	RC-EZ0322CEZZ	J	1000 25V Electrolytic	AE
C1716	VCEAGA1EW477M	J	470 25V Electrolytic	AD
C1717	VCEAGA1EW107M	J	100 25V Electrolytic	AD
C1719	VCKYPA2HB102K	J	1000p 500V Ceramic	AA
C1720	VCKYPA2HB102K	J	1000p 500V Ceramic	AA
C1721	VCEAGA1VW228M	J	2200 35V Electrolytic	AB
C1722	VCEAGA1VW228M	J	2200 35V Electrolytic	AB
C1723	RC-EZ0322CEZZ	J	1000 25V Electrolytic	AE
⚠C1725	RC-FZ0012GEZZ	J	0.22 AC250V Special	AE
⚠C1726	RC-FZ0012GEZZ	J	0.22 AC250V Special	AE
⚠C1727	RC-KZ0155CEZZ	J	680p 4kV Ceramic	AE
⚠C1728	VCEAGA1HW106M	J	10 50V Electrolytic	AC
C1729	VCFYFA1HA474J	J	0.47 50V M. Polyester	AC
RESISTORS				
⚠R1701	VRW-KQ4AC4R7K	J	4.7 10W Cement	AE
⚠R1702	VRS-KT3LB823J	J	82k 3W Metal Oxide	AC
⚠R1704	VRS-KT3LB220J	J	22 3W Metal Oxide	AD
⚠R1705	VRS-VV3DB333J	J	33k 2W Metal Oxide	AA
⚠R1706	VRD-RM2HD122J	J	1.2k 1/2W Carbon	AA
⚠R1707	VRD-RM2HD222J	J	2.2k 1/2W Carbon	AA
⚠R1708	VRD-RM2HD8R2J	J	8.2 1/2W Carbon	AA
⚠R1710	VRD-RM2HD4R7J	J	4.7 1/2W Carbon	AA
⚠R1711	VRD-RA2BE332J	J	3.3k 1/8W Carbon	AA
⚠R1712	RR-WZ0140CEZZ	J	0.22 3W Cement	AC
⚠R1714	VRD-RA2BE392J	J	3.9k 1/8W Carbon	AA
⚠R1715	VRD-RA2BE101J	J	100 1/8W Carbon	AA
⚠R1716	VRD-RA2BE152J	J	1.5k 1/8W Carbon	AA
R1717	VRD-RA2BE562J	J	5.6k 1/8W Carbon	AA
R1718	VRD-RA2BE222J	J	2.2k 1/8W Carbon	AA
R1719	*See Control*			
R1720	VRN-KT3LB2R2J	R	2.2 3W Metal Film	AF
R1721	VRD-RA2BE123J	J	12k 1/8W Carbon	AA
R1722	VRD-RA2BE562J	J	5.6k 1/8W Carbon	AA
MISCELLANEOUS PARTS				
⚠FB1701	RBLN-0037CEZZ	J	Ferrite Bead	AB
⚠FB1702	RBLN-0037CEZZ	J	Ferrite Bead	AB
⚠FB1703	RBLN-0037CEZZ	J	Ferrite Bead	AB
FB1707	RBLN-0037CEZZ	J	Ferrite Bead	AB
FB1709	RBLN-0037CEZZ	J	Ferrite Bead	AB
FB1710	RBLN-0037CEZZ	J	Ferrite Bead	AB
FB1711	RBLN-0037CEZZ	J	Ferrite Bead	AB
P1701	QPLGN0304CEZZ	J	Plug 3-pin, (AB)	AB
P1702	QPLGN1041CEZZ	J	Plug 10-pin, (X)	AC

End of PWB-I

PWB-J DUNTK8558WEV0
TEXT UNIT

Ref. No.	Part No.	★	Description	Code
INTEGRATED CIRCUITS				
IC1801	VHiM5M44256-1	J	Memory	AX
IC1802	RH-iX2451CEZZ	J	TEXT Processor	BB
TRANSISTORS				
Q1801	VS2SC1815GW-1	J	2SC1815(GW)	AB
Q1802	VS2SA1015Y/1E	J	2SA1015(Y)	AC
Q1803	VS2SC1815GW-1	J	2SC1815(GW)	AB
Q1804	VS2SC1815GW-1	J	2SC1815(GW)	AB
Q1805	VS2SC1815GW-1	J	2SC1815(GW)	AB
DIODES				
D1801	VHD1SS119//1E	J	1SS119	AA
D1802	VHD1SS119//1E	J	1SS119	AA
D1803	RH-EX0301CEZZ	J	Zener Diode, 6.2V	AA
D1804	RH-EX0301CEZZ	J	Zener Diode, 6.2V	AA
PACKAGED CIRCUIT				
X1801	RCRSB0006PEZZ	R	Crystal, 27 MHz Clock	AK
COIL AND TRANSFORMERS				
L1801	VP-DF100K0000	J	Coil, 10μH	AB
L1802	VP-XF1R0K0000	J	Coil, 1μH	AB
L1803	VP-DF100K0000	J	Coil, 10μH	AB
CONTROL				
R1815	RVR-M4622GEZZ	J	2.2k(B) TEXT Level	AB
CAPACITORS				
C1801	VCQYTA1HM104J	J	0.1 50V Mylar	AA
C1802	VCEAGA1AW107M	J	100 10V Electrolytic	AB
C1803	VCEAGA1AW477M	J	470 10V Electrolytic	AC
C1804	VCQYTA1HM104J	J	0.1 50V Mylar	AA
C1806	VCKYPA1HB102K	J	1000p 50V Ceramic	AA
C1807	VCCCPA1HH150J	J	15p 50V Ceramic	AA
C1808	VCCCPA1HH560J	J	56p 50V Ceramic	AA
C1810	VCQYTA1HM104J	J	0.1 50V Mylar	AA
C1811	VCE9AA1HW105M	J	1 50V Elect. (N.P)	AB
C1812	VCQYTA1HM104J	J	0.1 50V Mylar	AA
C1813	VCEAGA1AW107M	J	100 10V Electrolytic	AB
C1814	VCEAGA1CW106M	J	10 16V Electrolytic	AA
RESISTORS				
R1801	VRD-RA2BE273J	J	27k 1/8W Carbon	AA
R1802	VRD-RA2BE101J	J	100 1/8W Carbon	AA

Ref. No.	Part No.	★	Description	Code
RESISTORS (Continued)				
R1803	VRD-RA2BE222J	J	2.2k 1/8W Carbon	AA
R1804	VRD-RA2BE682J	J	6.8k 1/8W Carbon	AA
R1805	VRD-RA2BE101J	J	100 1/8W Carbon	AA
R1806	VRD-RA2BE272J	J	2.7k 1/8W Carbon	AA
R1807	VRD-RA2BE100J	J	10 1/8W Carbon	AA
R1808	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R1809	VRD-RA2BE122J	J	1.2k 1/8W Carbon	AA
R1810	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R1811	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R1812	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R1813	VRD-RA2BE471J	J	470 1/8W Carbon	AA
R1814	VRD-RA2BE103J	J	10k 1/8W Carbon	AA
R1815	*See Control*			
R1816	VRD-RA2BE472J	J	4.7k 1/8W Carbon	AA
R1817	VRD-RA2BE100J	J	10 1/8W Carbon	AA
R1818	VRD-RA2BE122J	J	1.2k 1/8W Carbon	AA
R1819	VRD-RA2BE272J	J	2.7k 1/8W Carbon	AA
R1820	VRD-RA2BE471J	J	470 1/8W Carbon	AA
R1822	VRD-RA2BE101J	J	100 1/8W Carbon	AA
R1823	VRD-RA2BE101J	J	100 1/8W Carbon	AA
R1824	VRD-RA2BE472J	J	4.7k 1/8W Carbon	AA
R1825	VRD-RA2BE103J	J	10k 1/8W Carbon	AA
R1826	VRD-RA2BE103J	J	10k 1/8W Carbon	AA
MISCELLANEOUS PARTS				
P1801	QPLGN0885CEZZ	J	Plug 8-pin, (TX)	AC
P1802	QPLGN0785CEZZ	J	Plug 7-pin, (TE)	AC

—— End of PWB-J ——

RiFU-0032CEZZ
IF UNIT

INTEGRATED CIRCUITS

Ref. No.	Part No.	★	Description	Code
IC2201	VHiTA8646AN-1	J	PIF/SIF	AM
IC2202	VHiM52317SP-1	J		AK

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q2201	98M-2SC2712Y/	J	2SC2712	AB
	or			
	98M-2SC1623L5	J	2SC1623	AB
Q2202	98M-2SC1906//	J	2SC1906	AC
Q2203	98M-2SC2712Y/	J	2SC2712	AB
	or			
	98M-2SC1623L5	J	2SC1623	AB
Q2204	98M-2SC1906//	J	2SC1906	AC
Q2205	98M-2SC2712Y/	J	2SC2712	AB
	or			
	98M-2SC1623L5	J	2SC1623	AB
Q2206	98M-2SC2735//	J	2SC2735	AB
Q2207	98M-2SC2712Y/	J	2SC2712	AB
	or			
	98M-2SC1623L5	J	2SC1623	AB
Q2208	98M-2SC2712Y/	J	2SC2712	AB
	or			
	98M-2SC1623L5	J	2SC1623	AB
Q2209	98M-2SC2712Y/	J	2SC2712	AB
	or			
	98M-2SC1623L5	J	2SC1623	AB
Q2210	98M-2SC2712Y/	J	2SC2712	AB
	or			
	98M-2SC1623L5	J	2SC1623	AB
Q2211	98M-2SC2712Y/	J	2SC2712	AB
	or			
	98M-2SC1623L5	J	2SC1623	AB

DIODE

Ref. No.	Part No.	★	Description	Code
D2201	RH-EX0652CEZZ	J	Zener Diode, 6.8V	AB

PACKEGED CIRCUIT

Ref. No.	Part No.	★	Description	Code
X2201	RFiLA0072CEZZ	J	Crystal, 1 MHz	AE

COIL AND TRANSFORMERS

Ref. No.	Part No.	★	Description	Code
CF2201	RFiLC0084CEZZ	J	Ceramic Filter, 6.0 MHz	AF
CF2202	RFILC0150CEZZ	J	Ceramic Filter, 5.5 MHz	AF
CF2207	RFiLC0258CEZZ	J	Ceramic Filter, 6.5 MHz	AD
CF2208	RFiLC0270CEZZ	J	Ceramic Filter, 5.5 MHz	AD
CF2209	RFiLC0268CEZZ	J	Ceramic Filter, 6.0 MHz	AD

COIL AND TRANSFORMERS (Continued)

Ref. No.	Part No.	★	Description	Code
CF2210	RFiLC0267CEZZ	J	Ceramic Filter, 4.5 MHz	AD
L2201	98M0405RA560K	J	Coil, 56μH	AB
L2202	98M0405RA1R0K	J	Coil, 1μH	AB
L2204	98M0405RA1R0K	J	Coil, 1μH	AB
L2205	98M0405RA560K	J	Coil, 56μH	AB
L2206	98M0405RA100K	J	Coil, 10μH	AB
L2207	98M0405RA120K	J	Coil, 12μH	AB
L2208	98M0405RA560K	J	Coil, 56μH	AB
L2209	98M0405RA6R8K	J	Coil, 6.8μH	AB
L2210	98M0405RA100K	J	Coil, 10μH	AB
SF2201	RFiLC0304CEZZ	J	Surface Acoustic Wave Filter	AH
SF2202	RFiLC0305CEZZ	J	Surface Acoustic Wave Filter	AN
T2201	RCiLi0543CEZZ	J	S.A.W. Matching	AD
T2202	RCiLD0192CEZZ	J	S-DET	AD
T2203	RCiLD0190CEZZ	J	VCO	AD
T2204	RCiLD0233CEZZ	J	AFT	AE

CONTROL

Ref. No.	Part No.	★	Description	Code
R2257	98MVG068TH502	J	4.7k(B) Sub-Sound	AC

CAPACITORS

Ref. No.	Part No.	★				Code
C2201	98M21F103Z50/	J	0.01	50V	Ceramic	AA
C2202	98MA1HK010B//	J	1	50V	Electrolytic	AB
C2204	98M21F103Z50/	J	0.01	50V	Ceramic	AA
C2205	98M21F103Z50/	J	0.01	50V	Ceramic	AA
C2206	98M21F103Z50/	J	0.01	50V	Ceramic	AA
C2207	98MA1CU101B//	J	100	16V	Electrolytic	AB
C2208	98MA1HK010B//	J	1	50V	Electrolytic	AB
C2209	98M21F103Z50/	J	0.01	50V	Ceramic	AA
C2210	98M21F103Z50/	J	0.01	50V	Ceramic	AA
C2211	98M21F103Z50/	J	0.01	50V	Ceramic	AA
C2212	98M21B102K50/	J	1000p	50V	Ceramic	AA
C2213	98M21F103Z50/	J	0.01	50V	Ceramic	AA
C2214	98MA1CU101B//	J	100	16V	Electrolytic	AB
C2215	98M21B102K50/	J	1000p	50V	Ceramic	AA
C2216	98M21F103Z50/	J	0.01	50V	Ceramic	AA
C2217	98M21F103Z50/	J	0.01	50V	Ceramic	AA
C2218	98M21F103Z50/	J	0.01	50V	Ceramic	AA
C2219	98MA1HU010B//	J	1	50V	Electrolytic	AB
C2220	98M21F103Z50/	J	0.01	50V	Ceramic	AA
C2221	98M21F103Z50/	J	0.01	50V	Ceramic	AA
C2222	98M21B102K50/	J	1000p	50V	Ceramic	AA
C2223	98M21F103Z50/	J	0.01	50V	Ceramic	AA
C2224	98MA1CU101B//	J	100	16V	Electrolytic	AB
C2225	98MA1CU101B//	J	100	16V	Electrolytic	AB
C2226	98M21F103Z50/	J	0.01	50V	Ceramic	AA
C2227	98M21F103Z50/	J	0.01	50V	Ceramic	AA
C2228	98M21F103Z50/	J	0.01	50V	Ceramic	AA
C2229	98M-B1H333JF3	J	0.033	50V	Film	AA

RiFU-0032CEZZ
IF UNIT (Continued)

CAPACITORS (Continued)

Ref. No.	Part No.	★	Description	Code
C2230	98M-B1H823JF3	J	0.082 50V Film	AA
C2231	98MA1CU470B//	J	47 16V Electrolytic	AB
C2232	98M21CH070D50	J	7p 50V Ceramic	AA
C2233	98M21F103Z50/	J	0.01 50V Ceramic	AA
C2234	98MA1HU010B//	J	1 50V Electrolytic	AB
C2235	98M21CH101J50	J	100p 50V Ceramic	AA
C2236	98M-V1H334JF3	J	0.33 50V Film	AC
C2237	98M-B1H103JF3	J	0.01 50V Film	AB
C2238	98M21CH100D50	J	10p 50V Ceramic	AA
C2239	98M21F103Z50/	J	0.01 50V Ceramic	AA
C2240	98M21F103Z50/	J	0.01 50V Ceramic	AA
C2241	98M21F103Z50/	J	0.01 50V Ceramic	AA
C2242	98M21F103Z50/	J	0.01 50V Ceramic	AA
C2243	98M21F103Z50/	J	0.01 50V Ceramic	AA
C2244	98M21F103Z50/	J	0.01 50V Ceramic	AA
C2245	98M21F103Z50/	J	0.01 50V Ceramic	AA
C2246	98M21F103Z50/	J	0.01 50V Ceramic	AA
C2247	98MA1CU101B//	J	100 16V Electrolytic	AB
C2248	98MA1CU101B//	J	100 16V Electrolytic	AB
C2249	98M21F103Z50/	J	0.01 50V Ceramic	AA
C2250	98M21CH180D50	J	18p 50V Ceramic	AA

RESISTORS

Ref. No.	Part No.	★	Description	Code
R2201	98MCR21102JT/	J	1k 1/10W Chip	AA
R2202	98MCR21153JT/	J	15k 1/10W Chip	AA
R2203	98MCR21392JT/	J	3.9k 1/10W Chip	AA
R2204	98MCR21823JT/	J	82k 1/10W Chip	AA
R2205	98MCR21102JT/	J	1k 1/10W Chip	AA
R2207	98MCR21101JT/	J	100 1/10W Chip	AA
R2208	98MCR21103JT/	J	10k 1/10W Chip	AA
R2209	98MCR21682JT/	J	6.8k 1/10W Chip	AA
R2211	98MCR21101JT/	J	100 1/10W Chip	AA
R2212	98M-MOS12221J	J	220 1/2W	AA
R2213	98MCR21562JT/	J	5.6k 1/10W Chip	AA
R2214	98MCR21122JT/	J	1.2k 1/10W Chip	AA
R2215	98MCR21331JT/	J	330 1/10W Chip	AA
R2216	98MCR21392JT/	J	3.9k 1/10W Chip	AA
R2217	98MCR21182JT/	J	1.8k 1/10W Chip	AA
R2218	98MCR21270JT/	J	27 1/10W Chip	AA
R2219	98MCR21470JT/	J	47 1/10W Chip	AA
R2220	98MCR21122JT/	J	1.2k 1/10W Chip	AA
R2221	98MCR21561JT/	J	560 1/10W Chip	AA
R2222	98MCR21331JT/	J	330 1/10W Chip	AA
R2223	98MCR21562JT/	J	5.6k 1/10W Chip	AA
R2224	98MCR21152JT/	J	1.5k 1/10W Chip	AA
R2225	98MCR21222JT/	J	2.2k 1/10W Chip	AA
R2226	98MCR21270JT/	J	27 1/10W Chip	AA
R2227	98MCR21392JT/	J	3.9k 1/10W Chip	AA
R2228	98MCR21122JT/	J	1.2k 1/10W Chip	AA
R2229	98M-MOS12221J	J	220 1/2W	AA

RESISTORS (Continued)

Ref. No.	Part No.	★	Description	Code
R2230	98MCR21102JT/	J	1k 1/10W Chip	AA
R2232	98MCR21271JT/	J	270 1/10W Chip	AA
R2233	98MCR21562JT/	J	5.6k 1/10W Chip	AA
R2234	98MCR21101JT/	J	100 1/10W Chip	AA
R2235	98M-MOS12471J	J	470 1/2W	AA
R2236	98MCR216R8JT/	J	6.8 1/10W Chip	AA
R2237	98MCR21151JT/	J	150 1/10W Chip	AA
R2238	98MCR21222JT/	J	2.2k 1/10W Chip	AA
R2239	98MCR21102JT/	J	1k 1/10W Chip	AA
R2240	98MCR21222JT/	J	2.2k 1/10W Chip	AA
R2241	98MCR21121JT/	J	120 1/10W Chip	AA
R2242	98MCR21123JT/	J	12k 1/10W Chip	AA
R2243	98MCR21103JT/	J	10k 1/10W Chip	AA
R2244	98MCR21103JT/	J	10k 1/10W Chip	AA
R2245	98MCR21103JT/	J	10k 1/10W Chip	AA
R2246	98MCR21823JT/	J	82k 1/10W Chip	AA
R2247	98MCR21823JT/	J	82k 1/10W Chip	AA
R2248	98MCR21102JT/	J	1k 1/10W Chip	AA
R2249	98MCR21560JT/	J	56 1/10W Chip	AA
R2250	98MCR21102JT/	J	1k 1/10W Chip	AA
R2251	98MCR21471JT/	J	470 1/10W Chip	AA
R2252	98MCR21221JT/	J	220 1/10W Chip	AA
R2253	98MCR21223JT/	J	22k 1/10W Chip	AA
R2254	98MCR21223JT/	J	22k 1/10W Chip	AA
R2255	98MCR21473JT/	J	47k 1/10W Chip	AA
R2256	98MCR21473JT/	J	47k 1/10W Chip	AA
R2257	*See Control*			
R2258	98MCR21101JT/	J	100 1/10W Chip	AA
R2259	98M-MOS12221J	J	220 1/2W	AA
R2264	98MCR21561JT/	J	560 1/10W Chip	AA
R2265	98MCR21681JT/	J	680 1/10W Chip	AA
R2266	98MCR21471JT/	J	470 1/10W Chip	AA
R2267	98MCR21821JT/	J	820 1/10W Chip	AA
R2268	98MCR21561JT/	J	560 1/10W Chip	AA
R2269	98MCR21681JT/	J	680 1/10W Chip	AA
R2270	98MCR21471JT/	J	470 1/10W Chip	AA
R2271	98MCR21222JT/	J	2.2k 1/10W Chip	AA
R2272	98MCR21102JT/	J	1k 1/10W Chip	AA
R2273	98MCR21102JT/	J	1k 1/10W Chip	AA
R2274	98MCR21681JT/	J	680 1/10W Chip	AA

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
P2201	98M4110-07001	J	Connector 7-pin, (IF)	AC
P2202	98M4110-09001	J	Connector 9-pin, (SH)	AC

—— End of IF UNIT ——

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NICAM/IGR UNIT

INTEGRATED CIRCUITS

Ref. No.	Part No.	★	Description	Code
IC2001	VHiTDA3857/-1	J	SIF Detector	AR
IC2002	VHiTDA8415/-1	J	Sound Processor	AW
IC5001	VHiTB1204F/-1	J	NICAM Decoder	BK
IC5002	VHiTA2009//-1	J	Low Pass Filter	AK
IC5003	VHiM5218AL/-1	J	Equalizer Amp.	AD

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q2001	98M2SC2735J//	J	2SC2735J	AD
Q5001	98M2SC2735J//	J	2SC2735J	AD
Q5003	98M2SC2712G//	J	2SC2712G	AA

DIODE

Ref. No.	Part No.	★	Description	Code
D5001	98M-MA221////	J	MA221	AB

PACKAGED CIRCUITS

Ref. No.	Part No.	★	Description	Code
X2001	RCRSB0129GEZZ	J	10 MHz Clock	AG
X5001	RCRSB0131GEZZ	J	11.648 MHz Clock VCXO	AH
X5002	RCRSB0130GEZZ	J	5.85 MHz Carrier VCXO	AK

COILS AND TRANSFORMERS

Ref. No.	Part No.	★	Description	Code
CF2001	RFiLC0061CEZZ	J	5.5 MHz Band Pass Filter	AF
CF2002	RFiLC0063CEZZ	J	5.74 MHz Band Pass Filter	AG
FL5001	RFiLN0013GEZZ	J	Filter	AB
L2001	98MEL45RA100K	J	Coil, 10μH	AB
L2002	98MEL45RA120K	J	Coil, 12μH	AC
L2003	98MEL45RA3R3K	J	Coil, 3.3μH	AD
L2004	98MEL45RA100K	J	Coil, 10μH	AB
L5001	98MEL45RA102K	J	Coil, 1mH	AC
L5002	98MEL45RA102K	J	Coil, 1mH	AC
L5003	98MEL45RA2R7K	J	Coil, 2.7μH	AC
L5005	98MEL45RA100K	J	Coil, 10μH	AB
L5006	98MEL45RA100K	J	Coil, 10μH	AB
SF2002	RFiLC0109GEZZ	J	Surface Acoustic Wave Filter	AH
T2001	RCiLD0057GEZZ	J	38.9 MHz P-DET Coil	AE
T2002	RCiLi0086GEZZ	J	5.74 MHz S-DET Coil	AE
T2003	RCiLi0086GEZZ	J	5.5 MHz S-DET Coil	AE
T5001	RCiLV0175CEZZ	J	5.85 MHz Band Pass Filter	AL

CONTROLS

Ref. No.	Part No.	★	Description	Code
R2016	98MVZ066LB302	J	3k(B) Separation Adj.	AB
R2017	98MVZ066LB302	J	3k(B) Audio Level Adj.	AB
R5006	98MVG066LB504	J	470k(B)VCXO Adj.	AB

CAPACITORS

Ref. No.	Part No.	★			Description	Code
C2001	98M21CH/270J5	J	27p	50V	Ceramic	AA
C2003	98MECEA1HK2R2	J	2.2	50V	Electrolytic	AB
C2004	98MECEA1HK2R2	J	2.2	50V	Electrolytic	AB
C2006	98M21Y5V103Z5	J	0.01	50V	Ceramic	AA
C2007	98MECEA1CK470	J	47	16V	Electrolytic	AB
C2008	98MECEA1HK010	J	1	50V	Electrolytic	AB
C2009	98M21Y5V103Z5	J	0.01	50V	Ceramic	AA
C2010	98M21Y5V103Z5	J	0.01	50V	Ceramic	AA
C2011	98M21Y5V103Z5	J	0.01	50V	Ceramic	AA
C2012	98M21Y5V103Z5	J	0.01	50V	Ceramic	AA
C2013	98M21CH/060D5	J	6p	50V	Ceramic	AA
C2014	98MECEA1HK010	J	1	50V	Electrolytic	AB
C2015	98MECEA1HK010	J	1	50V	Electrolytic	AB
C2016	98MECEA1CK100	J	10	16V	Electrolytic	AB
C2017	98MECEA1CK100	J	10	16V	Electrolytic	AB
C2018	98MECEA1CK101	J	100	16V	Electrolytic	AB
C2019	98M21Y5V103Z5	J	0.01	50V	Ceramic	AA
C2020	98MECEA1HKR22	J	0.22	50V	Electrolytic	AB
C2021	98MECEA1CK100	J	10	16V	Electrolytic	AB
C2024	98M21Y5V103Z5	J	0.01	50V	Ceramic	AA
C5001	98MECEA1CK100	J	10	16V	Electrolytic	AB
C5002	98MECQV1H104J	J	0.1	50V	Film	AB
C5003	98M21Y5V103Z5	J	0.01	50V	Ceramic	AA
C5004	98M21Y5V103Z5	J	0.01	50V	Ceramic	AA
C5005	98MECEA1HNR47	J	0.47	50V	Elect. (N.P)	AB
C5006	98M21CH/560J5	J	56p	50V	Ceramic	AA
C5007	98M21CH/200J5	J	20p	50V	Ceramic	AA
C5008	98M21CH/100J5	J	10p	50V	Ceramic	AA
C5009	98MECEA1AK101	J	100	10V	Electrolytic	AB
C5010	98M21Y5V103Z5	J	0.01	50V	Ceramic	AA
C5011	98M21Y5V103Z5	J	0.01	50V	Ceramic	AA
C5012	98M21Y5V103Z5	J	0.01	50V	Ceramic	AA
C5013	98M21Y5V103Z5	J	0.01	50V	Ceramic	AA
C5014	98MECEA1CK100	J	10	16V	Electrolytic	AB
C5015	98M21Y5V103Z5	J	0.01	50V	Ceramic	AA
C5016	98M21Y5V103Z5	J	0.01	50V	Ceramic	AA
C5017	98MECQB1H473J	J	0.047	50V	Film	AB
C5018	98M21CH/271J5	J	270p	50V	Ceramic	AA
C5019	98M21CH/271J5	J	270p	50V	Ceramic	AA
C5020	98MECQB1H473J	J	0.047	50V	Film	AB
C5021	98MECEA1HKR47	J	0.47	50V	Electrolytic	AB
C5022	98M21Y5V103Z5	J	0.01	50V	Ceramic	AA
C5023	98M21CH/560J5	J	56p	50V	Ceramic	AA
C5024	98M21CH/120J5	J	12p	50V	Ceramic	AA
C5025	98M21Y5V103Z5	J	0.01	50V	Ceramic	AA
C5026	98MECEA1AK470	J	47	10V	Electrolytic	AB
C5027	98M21Y5V103Z5	J	0.01	50V	Ceramic	AA
C5028	98M21Y5V103Z5	J	0.01	50V	Ceramic	AA
C5029	98MECEA1CK100	J	10	16V	Electrolytic	AB
C5032	98MECEA1AK470	J	47	10V	Electrolytic	AB
C5033	98MECEA0JK470	J	47	6.3V	Electrolytic	AB
C5034	98MECEA1CK100	J	10	16V	Electrolytic	AB
C5035	98MECEA1CK100	J	10	16V	Electrolytic	AB
C5036	98MECQB1H152J	J	1500p	50V	Film	AA
C5037	98M21CH/101J5	J	100p	50V	Ceramic	AA

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NICAM/IGR UNIT (Continued)

CAPACITORS (Continued)

Ref. No.	Part No.	★	Description	Code
C5038	98MECEA0JK470	J	47 6.3V Electrolytic	AA
C5039	98MECQB1H821J	J	820p 50V Film	AA
C5040	98MECQB1H222J	J	2200p 50V Film	AA
C5041	98MECQB1H222J	J	2200p 50V Film	AA
C5042	98MECQB1H821J	J	820p 50V Film	AA
C5043	98MECEA0JK470	J	47 6.3V Electrolytic	AA
C5044	98M21CH/101J5	J	100p 50V Ceramic	AA
C5045	98MECQB1H152J	J	1500p 50V Film	AA
C5046	98MECEA1CK100	J	10 16V Electrolytic	AB
C5047	98MECEA1CK470	J	47 16V Electrolytic	AB
C5048	98MECEA1HKR47	J	0.47 50V Electrolytic	AB
C5054	98MECEA1AK470	J	47 10V Electrolytic	AB
C5055	98MECQB1H822J	J	8200p 50V Film	AA
C5056	98MECQB1H822J	J	8200p 50V Film	AA
C5057	98M21Y5V103Z5	J	0.01 50V Ceramic	AA
C5058	98M21CH/100J5	J	10p 50V Ceramic	AA

RESISTORS

Ref. No.	Part No.	★	Description	Code
R2001	98MCR10-223JT	J	22k 1/10W Chip	AA
R2002	98MCR10-561JT	J	560 1/10W Chip	AA
R2003	98MCR10-561JT	J	560 1/10W Chip	AA
R2004	98MCR10-471JT	J	470 1/10W Chip	AA
R2005	98MCR10-471JT	J	470 1/10W Chip	AA
R2006	98MCR10-472JT	J	4.7k 1/10W Chip	AA
R2007	98MCR10-472JT	J	4.7k 1/10W Chip	AA
R2008	98MCR10-332JT	J	3.3k 1/10W Chip	AA
R2009	98MCR10-182JT	J	1.8k 1/10W Chip	AA
R2010	98MCR10-181JT	J	180 1/10W Chip	AA
R2011	98MCR10-2R2JT	J	2.2 1/10W Chip	AA
R2012	98MCR10-222JT	J	2.2k 1/10W Chip	AA
R2013	98MCR10-682JT	J	6.8k 1/10W Chip	AA
R2014	98MCR18-331JT	J	330 1/8W Chip	AA
R2016	*See Controls*			
R2017	*See Controls*			
R2019	98MCR10-561JT	J	560 1/10W Chip	AA
R2020	98MCR10-101JT	J	100 1/10W Chip	AA
R2021	98MCR10-101JT	J	100 1/10W Chip	AA
R2022	98MCR10-223JT	J	22k 1/10W Chip	AA
R2023	98MCR10-103JT	J	10k 1/10W Chip	AA
R2024	98MCR10-101JT	J	100 1/10W Chip	AA
R2025	98MCR10-101JT	J	100 1/10W Chip	AA
R2033	98MCR10-103JT	J	10k 1/10W Chip	AA
R2034	98MCR10-103JT	J	10k 1/10W Chip	AA
R5001	98MCR10-103JT	J	10k 1/10W Chip	AA
R5002	98MCR10-101JT	J	100 1/10W Chip	AA
R5003	98MCR10-101JT	J	100 1/10W Chip	AA
R5004	98MCR10-222JT	J	2.2k 1/10W Chip	AA
R5005	98MCR10-393JT	J	39k 1/10W Chip	AA
R5006	*See Controls*			

RESISTORS (Continued)

Ref. No.	Part No.	★	Description	Code
R5007	98MCR10-683JT	J	68k 1/10W Chip	AA
R5008	98MCR10-391JT	J	390 1/10W Chip	AA
R5009	98MCR10-391JT	J	390 1/10W Chip	AA
R5010	98MCR10-224JT	J	220k 1/10W Chip	AA
R5011	98MCR10-221JT	J	220 1/10W Chip	AA
R5012	98MCR10-681JT	J	680 1/10W Chip	AA
R5013	98MCR10-393JT	J	39k 1/10W Chip	AA
R5014	98MCR10-271JT	J	270 1/10W Chip	AA
R5015	98MCR10-5R6JT	J	5.6 1/10W Chip	AA
R5016	98MCR10-331JT	J	330 1/10W Chip	AA
R5019	98MCR10-472JT	J	4.7k 1/10W Chip	AA
R5020	98MCR10-561JT	J	560 1/10W Chip	AA
R5021	98MCR10-103JT	J	10k 1/10W Chip	AA
R5022	98MCR10-471JT	J	470 1/10W Chip	AA
R5023	98MCR10-102JT	J	1k 1/10W Chip	AA
R5024	98MCR10-682JT	J	6.8k 1/10W Chip	AA
R5025	98MCR10-103JT	J	10k 1/10W Chip	AA
R5032	98MCR10-512JT	J	5.1k 1/10W Chip	AA
R5033	98MCR10-103JT	J	10k 1/10W Chip	AA
R5034	98MCR10-222JT	J	2.2k 1/10W Chip	AA
R5035	98MCR10-222JT	J	2.2k 1/10W Chip	AA
R5036	98MCR10-512JT	J	5.1k 1/10W Chip	AA
R5037	98MCR10-103JT	J	10k 1/10W Chip	AA
R5038	98MCR10-101JT	J	100 1/10W Chip	AA
R5039	98MCR10-101JT	J	100 1/10W Chip	AA
R5042	98MCR10-222JT	J	2.2k 1/10W Chip	AA
R5043	98MCR10-222JT	J	2.2k 1/10W Chip	AA
R5044	98MCR10-102JT	J	1k 1/10W Chip	AA
R5045	98MCR10-102JT	J	1k 1/10W Chip	AA
R5046	98MCR10-104JT	J	100k 1/10W Chip	AA
R5047	98MCR10-104JT	J	100k 1/10W Chip	AA
R5049	98MCR10-471JT	J	470 1/10W Chip	AA
R5050	98MCR10-103JT	J	10k 1/10W Chip	AA
R5051	98MCR10-103JT	J	10k 1/10W Chip	AA
R5052	98MCR10-823JT	J	82k 1/10W Chip	AA

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
P2001	98MS10B-JL-F/	J	Connector 10-pin, (NM)	AD
P2002	98MS4B-JL-F-E	J	Connector 4-pin, (P)	AB

—— End of NICAM UNIT ——

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
⚠	CACCZ2007PE01	R	AC Cord Ass'y	AN
CN301	QCNW-1703PEZZ	R	Connecting Wire, (SW)	AG
CN304	QCNW-1702PEZZ	R	Connecting Wire	AN
CN306	QCNW-1714PEZZ	R	Connecting Wire	AK
CN704	QCNW-1707PEZZ	R	Connecting Wire, (XC)	AL
CN1102	QCNW-1705PEZZ	R	Connecting Wire, (LE)	AN
CN1502	QCNW-1710PEZZ	R	Connecting Wire, (P)	AL
CN1702	QCNW-1700PEZZ	R	Connecting Wire, (X)	AN
CN1706	QCNW-1736PEZZ	R	Connecting Wire, (AA)	AL
	QCNW-1737PEZZ	R	Connecting Wire, (L3)	AH
SP1	VSP1306PB02WA	R	Speaker, Squawker-L	AV
SP2	VSP1306PB02WA	R	Speaker, Squawker-L	AV
SP3	VSP1306PB02WA	R	Speaker, Squawker-R	AV
SP4	VSP1306PB02WA	R	Speaker, Squawker-R	AV
SP5	VSPRA01T-028A	R	Speaker, Tweeter-L	AU
SP6	VSPRA01T-028A	R	Speaker, Tweeter-R	AU
SP7	RSP-Z0001PE02	R	Speaker, Woofer (25FX5)	BP
SP7	RSP-Z0001PE01	R	Speaker, Woofer (29FX5)	BP

—— End of MISCELLANEOUS PARTS ——

PACKING PARTS
(*NOT REPLACEMENT ITEM*)

MODEL 25FX5

Part No.		Description	Code
SPAKC5939PEZZ	–	Packing Case	—
SPAKP0083PEZZ	–	Polystyrene Cover	—
SPAKX2518PEZZ	–	Buffer Material	—

MODEL 29FX5

Part No.		Description	Code
SPAKC5927PEZZ	–	Packing Case	—
SPAKP0093PEZZ	–	Polystyrene Cover	—
SPAKX2511PEZZ	–	Buffer Material	—

—— End of PACKING PARTS ——

SUPPLIED ACCESSORIES

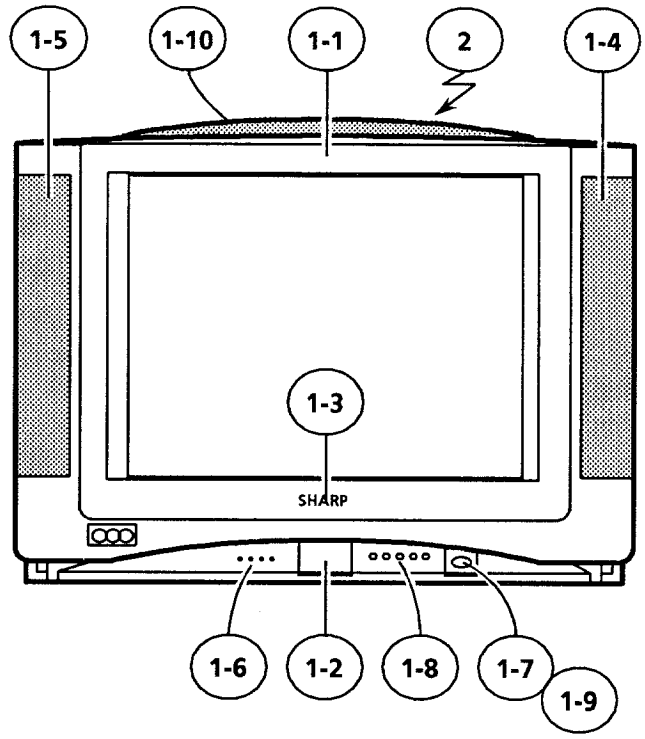
ACCESSORIES

QPLGA0011CEZZ	J	AC Plug Adaptor	AF
RRMCG1095PESA	R	Remote Control Unit	BB
TINS-5435PEZZ	R	Operation Manual	AL

ACCESSORIES (*Not Replacement Item*)

TMAPC3921PEZZ	–	Service Map (25FX5)	—
TMAPC3919PEZZ	–	Service Map (29FX5)	—
UBATU0001MEZZ	–	Dry Batteries	—

—— End of SUPPLIED ACCESSORIES ——



CABINET PARTS
MODEL 25FX5

Ref. No.	Part No.	★	Description	Code
1	CCABA2266WEV0	R	Cabinet Ass'y, Front (with Speakers, ×6)	
1-1	*Not available*	–	Cabinet, Front	—
1-2	GMADT0150PESA	R	Window	AE
1-3	HBDGB3096CESC	J	Badge, "SHARP"	AH
1-4	*Not available*	–	Punching Metal, Right	—
1-5	*Not available*	–	Punching Metal, Left	—
1-6	HDECQ0047PESA	R	Decoration Plate, LED	AD
1-7	JBTN-0153PESA	R	Button, Power	AD
1-8	JBTN-0154PESA	R	Button, Control	AE
1-9	MSPRC0005PEFW	R	Spring, Power	AB
1-10	*Not available*	–	Punching Net	—
2	CCABB2223WEV1	R	Cabinet Ass'y, Rear	

—— End of CABINET PARTS (25FX5) ——

CABINET PARTS
MODEL 29FX5

Ref. No.	Part No.	★	Description	Code
1	CCABA2262WEV0	R	Cabinet Ass'y, Front (with Speakers, ×6)	BZ
1-1	*Not available*	–	Cabinet, Front	—
1-2	GMADT0150PESA	R	Window	AE
1-3	HBDGB3096CESC	J	Badge, "SHARP"	AH
1-4	*Not available*	–	Punching Metal, Right	—
1-5	*Not available*	–	Punching Metal, Left	—
1-6	HDECQ0047PESA	R	Decoration Plate, LED	AD
1-7	JBTN-0153PESA	R	Button, Power	AD
1-8	JBTN-0154PESA	R	Button, Control	AE
1-9	MSPRC0005PEFW	R	Spring, Power	AB
1-10	*Not available*	–	Punching Net	—
2	CCABB2221WEV0	R	Cabinet Ass'y, Rear	BP

—— End of CABINET PARTS (29FX5) ——

25FX5
29FX5

SHARP

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